HOLSTEIN-FRIESIAN WORLD

WESTERN EDITION

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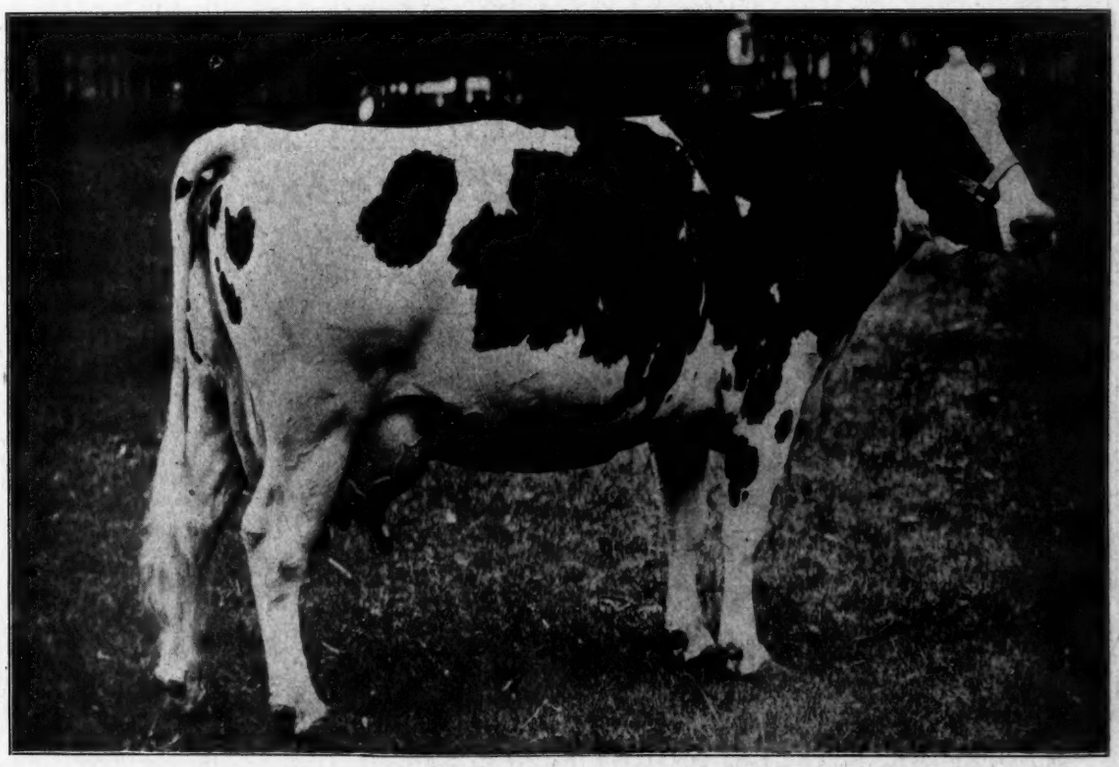


A NEW WORLD'S CHAMPION—DUCHESS SKYLARK ORMSBY 124514.

WE ARE SELLING BULLS

They are sired by KING QUALITY who has proven himself one of the greatest four-year-old sires of the breed through the records of his daughters.

We believe that the individuality and the strong A. R. O. backing possessed by these calves will appeal to every breeder.

Among them is a son of a 25.8 lb. cow with a yearly record of 825 lbs. of butter and 21,000 lbs. of milk. The dam is strongly bred in the lines which produced De Kol 2d Butter Boy, Sir Veeman Hengerveld, and Sadie Vale Concordia 4th, the only 40 lb. cow to have a 38 lb. daughter. This bull is a splendid individual and is priced to sell quick.

Also a son of a 21 lb. Jr.-3-yr.-old daughter of Admiral Walker Pietertje. She made 699 lbs. of butter and 16,000 lbs. of milk in one year at 3 yrs. and 1 mo. of age. This calf is a three-quarter brother to the 22 lb. 2-yr.-old daughters of King Quality.

Write for charts and prices mentioning whether you want a young calf or a bull ready for service.

Our motto is INDIVIDUALITY PLUS PRODUCTION.

Bonalevo Farms

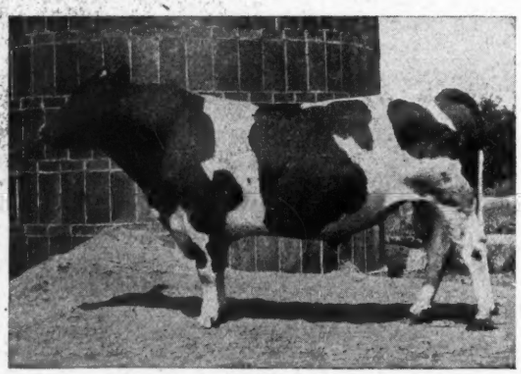
R. E. CHAPIN & SON . Box 302 Batavia, N. Y.

This Year Eight Cows Produced 94 to 114.10 Pounds of Milk in Twenty-four Hours

LUCILLE JOLIE PONTIAC Fat 19.148, Milk 468.10 Sr. 4-year-class—8 mo. division (World's Record.)

ONA CLOTHILDE DE KOL (12 years) Butter 26.44 Milk 668.50.

Young Bulls from above Cows For Sale.



ONA FEDORA DE KOL Butter 30.52, Milk 650.60

ONA BUTTON DE KOL Butter 30.29, Milk 608.40

ONA CLOTHILDE WAYNE Butetr 32.60, Milk 767.10

MAPLECREST PONTIAC HARTOG 62178---Senior Sire

The only bull in the World having thirteen 30-lb. sisters, two of which exceed 35 lbs. and three having yearly records in excess of 1200 lbs. and five above 1,000 lbs. His dam is Ohio's first 30-lb. cow. She has a daughter having a yearly record of over 1200 lbs. and who in turn has a 1200-lb. daughter.

SIR PIETERTJE ORMSBY MERCEDES 40th 132722---Junior Sire

MEADOWHOLM HOLSTEIN CO.

PETER SMALL, Pres. and Gen. Mgr. CHESTERLAND, OHIO

New Woodstock Breeders

J. A. STANTON & SON ..One-half page

DO YOU NEED A HERD BULL?

We offer one ready for service, dam, a 22-lb. 3-yr.-old by one of the best sons of King Segis.

Sire, by De Kol Hengerveld Burke, and from a 31-lb. dam. Sire has a 35-lb. full sister.

More white than black—well grown—a beauty.

If you are looking for a good bull at a low price, address:

DAMON BROS.
New Woodstock N. Y.

6 YOUNG SISTERS FOR SALE

I have six heifers ranging in age from one month to ten months of age; daughters of Hengerveld De Kol Segis No. 92658, he a grandson of Hengerveld De Kol and King Segis, from good producing dams mostly with records. Good, straight individuals, nicely marked. Price reasonable for quick sale.

IRVING H. LEE
New Woodstock N. Y.

BY A 26-LB. SIRE

We offer a bull calf by a 26-lb. son of De Kol Beets Segis, and from a 16-lb. granddaughter of De Kol Hengerveld Burke. A good calf at a reasonable price. Herd sire, a son of King Segis Pontiac Alcartra.

F. L. & I. H. HUNT
New Woodstock New York

GRANDSON OF KING OF THE PONTIACS

From an A. R. O. dam for sale. A fine youngster. Come and see him and his dam. Also a few sons of Korndyke Defiance Segis. Prices very low.

A. L. LAMUNION
New Woodstock New York.

THE ASYLUM HERD

"Where the Champions come from"

Offer Bull Calves sired by sons of Pontiac Korndyke, Hengerveld De Kol Pontiac Dutchland, or Admiral Walker Pietertje.

Do you want a Pontiac in your herd?

Pontiac State Hospital, Pontiac, Mich.

$300 BULL $100

Grandson of King of the Pontiacs from Pontiac Thanatoo, now in yearly test. Will have 19,000 lbs. milk and about 750 lbs. butter. He is in our way and must be sold at once. Write for further information.

C. C. FRIES & SON,
Richland Center, Wis.

BULL CALVES

From A. R. O. dams. Sired by Spring Farm King Pontiac 14th, the 34-lb. bull.

S M. STRICKLAND, Carthage, N. Y.

BOND CENTURY FARM

Canastota, N. Y.
Heifer Calves for Sale.

Granddaughters of King of the Pontiacs. Also A. R. O. cows for sale.

Address **W. E. BOND, Potsdam, N. Y.** or call at the farm.

W. A. HOTCHKISS, Mgr.

SONS OF RAG APPLE KORNDYKE 8TH

Grandsons of King Korndyke Sadie Vale, King of the Black and Whites, Pontiac Korndyke, King Clothilde and other famous sires. Prices low before going into winter quarters. Write your wants to

Chester Co. Pa. H.-F. Breeders' Association, Philip M. Hicks, Sec. Avondale, Pa.

KING COLANTHA CLOTHILDE 3d

98849

Heads our herd. His six nearest dams, including one three-year-old, average 30.58 pounds. His sire, King Colantha Clothilde, was by Colantha Johanna Lad, the great son of the first 35-lb. cow, and from Abby Hartog Clothilde, the only 31-lb. cow having a 30-lb. four-year-old daughter that has a 30-lb. three-year-old daughter. The dam was from Mary Walker Pietertje (31.81 lbs.), the only 31-lb. cow having a dam with 32.9 lbs., and a daughter with over 31 lbs. The dam's sire is Beauty Pietertje Butter King, son of Beauty Pietertje (30.51 lbs.), who has a 30-lb. daughter with a 30-lb. daughter, and Clothilde Goudgeld Hugo, who has two 30-lb. daughters, each with a 30-lb. daughter and granddaughter.

We can offer sons of King Colantha Clothilde 3d, out of the following dams—Two are granddaughters of King of the Pontiacs; one a daughter of Korndyke Abbekerk; one a granddaughter of Admiral Walker Pietertje, and one a granddaughter of Beauty Pietertje Butter King. These calves are good individuals, and will be sold for reasonable prices.

FLOCK BREWING CO.

Williamsport, Pa.

STOP! LOOK! LISTEN!

Mr. Holstein Breeder, do you wish to buy a 30-lb. bull of unparalleled breeding? If so, study the pedigree of

Korndyke Pontiac Cornucopia 6th No. 146017

SIRE: Pontiac Korndyke Cornucopia No. 54932. He is by Pontiac Korndyke and from a 29-lb. senior four-year-old daughter of Pontiac Korndyke. He is also a full brother to the 38-lb. cow, Pontiac Lady Korndyke that sold for $3,600.00 in the Dollar Sale. DAM: Lilly Grace Cornucopia No. 123441. Butter 7 days, 30.02 lb., milk 718.2 lb. Milk 1 day, 106.1 lb.; butter 30 days 119.44 lb., milk 2853.2 lb. She is by Aaggie Cornucopia Johanna Lad No. 32554 whose 95 A. R. O. daughters have more milk records above 500 and 600 lb. than any other sire of the breed.

Korndyke Pontiac Cornucopia 6th was born April 26, 1914 and is well grown, well marked and is now ready for service.

If you want a combination of both quality and production write for pedigree and price to

RIVERSIDE STOCK FARM

A. W. BROWN & SONS WEST WINFIELD, N. Y.

SON OF KING LYONS

and the 28-lb. 3-yr.-old, Segis Beauty, who was by King Segis and from Beauty Pietertje (30.51 lb.), the highest record daughter of Prilly, and one of the few 30-lb. cows having a 30-lb. daughter that in turn has a 30-lb. daughter. Segis Beauty already has one son with a remarkable list of daughters. King Lyons, the head of Moyerdale Herd, needs no recommendation. His four nearest dams average 33.32 lb.

This young bull is a beautiful individual, born Dec. 10, 1914. He is on our farm at Rock Stream, N. Y., and hence is in absolutely unrestricted territory. At our price he is a bargain. For complete information address:

Hawthorne Farms Company, Barrington, Illinois.

A. R. O. COWS

We offer for sale a few cows and heifers of Johanna, Korndyke and Pontiac breeding that are backed by large official milk and butter records. They are bred to King Artis Pontiac and

WISCONSIN STAR STOCK FARM

HEIFERS AND COWS

King Korndyke Veeman whose two nearest dams average over 37 lbs. butter in 7 days. Also a few richly bred bull calves. Write for particulars and price.

EDWIN M. SCHULTZ, HARTFORD, WIS.

NORTH STAR HERD

Home of
Sir Beets Cornucopia Netherland 38460
Johanna Bonheur Champion 94984

All our milking females are carried in semi-official yearly test under normal conditions. Our show ring records have never been duplicated.

INDIVIDUALITY PRODUCTION BREEDING

We have for sale a few bull calves representing this combination. They are winners by right of inheritance. Inspection is welcomed.

W. S. MOSCRIP, **Lake Elmo, Minn.**

GREENVIEW STOCK FARM

FOR SALE

and a fine grandson of King of the Pontiacs born Oct. 25, 1915. His dam is a granddaughter of King Segis. Think of the combination. $25.00 takes him any time before Dec. 1.

OTTO L. IVES, GUILFORD, NEW YORK

THE LAKESIDE HERD

A GRAND LOT OF YEARLING BULLS, READY FOR SERVICE, AT VERY LOW FIGURES.

Also a choice lot of bull calves, heifer calves, yearling heifers, heifers bred to the best class of bulls. Some choice young cows. Write your wants.

E. A. POWELL,

904 W. Genesee St., Syracuse, N. Y.

FOR SALE

PRINCE PIEBE HENGERVELD DE KOL No. 125101 born Feb. 10th, 1913. Here is a remarkable Individual with a great ancestry.

Sire; Sir Piebe Aaggie Hengerveld No. 32492 17 A. R. O. daughters. His ten daughters averaged in a yearly test 695.90 lbs. each at an average age of 3 yr. 3 mo. old.

Dam; Princess Colantha Jewel 2nd Lass No. 124231 at two years and 26 days old made 16135 lbs. milk and 670 lbs. butter in 365 days. Her dam Princess Colantha Jewel 2nd record at 4 yrs. 25.11 lbs. in 7 days and 17123 lbs. milk and 786 lbs. butter in 365 days. She is dam of one Jr. 3 yr. old 30 lb. daughter and one 20 lb. two yr. old. Her dam Princess Colantha Jewel with 25.14 lbs. in 7 days and 17678 lbs. milk and 865 lbs. butter in 365 days. She has 5 A. R. O. daughters. All of these three dams on dams side were among the ten cows that won the ten cow prize in the Wisconsin Dairy Competition Test. Write for Photo and Pedigree.

JOHN ERICKSON **R. 2.** **Waupaca, Wis.**

ROSE HALL HERD--60 HEAD

All ages; headed by King Tobe De Kol No. 101309; full brother to Lady Tobe De Kol, world's record senior three-year-old. 7 days, 36.59 pounds butter and over 90 pounds milk in a day. Butter, 30 days, 141.50 pounds. His dam; Christmas Tobe 2d. 7 days, 31.66 pounds. 30 days, 129.46 pounds and over 80 pounds (4.44 per cent) of milk a day at 10 years old. World's record at time of making and still the second largest for age.

I offer choice cows, heifers, heifer calves, as well as fine bull calves.

GEO. J. HALL, NORTH OLMSTEAD, O.

WYOMING

"MILE HIGH" HOLSTEINS

Bull calves, born and bred in the Rocky Mountains at an elevation of 5300 ft. sired by a son of Sir Korndyke Hengerveld De Kol out of a full sister to Pietertje Maid Ormsby. If you want **lungs** and **constitution,** besides breeding, try a "Mile High" once!

SHOSHONE STOCK FARM, Cody, Wyo.

BELLEHOLM FARM

HOLSTEIN-FRIESIAN CATTLE

We will price any animal in the herd

HAROLD F. HUBBS,
KIRKVILLE, N. Y.

UP-TO-DATE

Typewritten Pedigrees

seventy-five cents each.

Sale catalogs at $2.50 per page

Give name and number of Sire and Dam of animals having numbers above 278175 in cows and 155860 in bulls.

F. G. JOHNSTON
37 W. Lane Ave. **Columbus, Ohio.**

SON OF A 26-LB. COW FOR SALE

The dam, Daisy Clothilde Burke 86701, has a record of 26.03 lb. butter, 571.8 lb. milk.

In Cow Testing Association she produced in a year 12,800 lb. milk, 508.63 lb. butter.

The sire, Woodbine Pontiac Hengerveld, a wonderful show bull, was by a 31-lb. son of King of the Pontiacs, and from a 28-lb.. 3-yr.-old daughter of King Segis Pontiac; next dam a 27-lb. cow. The average for his dam, and the four nearest dams of his sire, is 29.95 lb. The calf was born Jan. 15, 1915, is about evenly marked, and is a splendid individual. Here is a good bull at a low price. Write for full particulars.

E. A. Whitford, Whitford Homestead Herd, Adams Center, N.Y.

13 Head Registered Holstein Cattle For $2,000.

Consisting of four two-year-olds, eight yearling heifers and one bull. All choicely bred; good size and color. Heifers all bred to freshen in early winter to a son of Sir Veeman Hengerveld which is one of the best in the breed. Don't stop to write but come and see them. Must be sold at once to settle estate.

J. P. AHRENS **Deposit, N. Y.**

FOR SALE

Some good grandsons of Colantha Johanna Lad from high record cows. One is a son of a 27-lb. cow and is ready for immediate service. For pedigrees and prices, write.

THE WALLACE HOLSTEIN CO.,
R. E. Buell, Mgr.,
Wallingford, **Conn.**

33.13 Lbs "King Korndyke

Our junior sire is a son of Jessie Veeman Duchess De Kol, butter 7 days 33.13 lbs., 30 days 135.96 lbs. Sire's dam: butter 7 days 41.06 lbs., 30 days 163.1 lbs. His full sister 26.29 lbs. at two years. His two nearest sires "King

WISCONSIN STAR STOCK FARM

Veeman" 41.06 Lbs.

Korndyke Sadie Vale" and "Sir Veeman Hengerveld" are the leading sires of the breed. His dam and sire's two dams average butter 7 days 37.13 lbs., 30 days 148.09 lbs. A coming sire.

EDWIN M. SCHULTZ, HARTFORD, WIS.

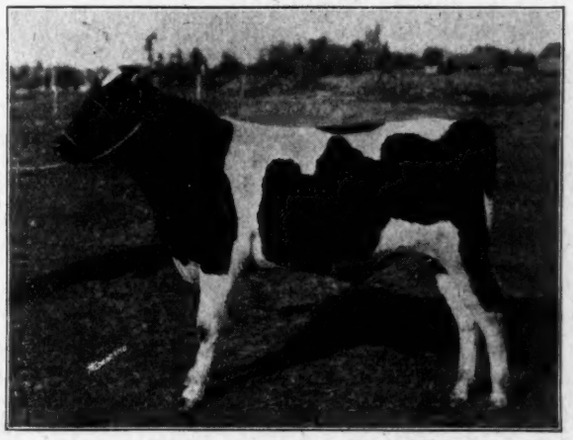
PABST STOCK FARM

Our herd sires all trace to Pontiac Korndyke thru his greatest sons and daughters.

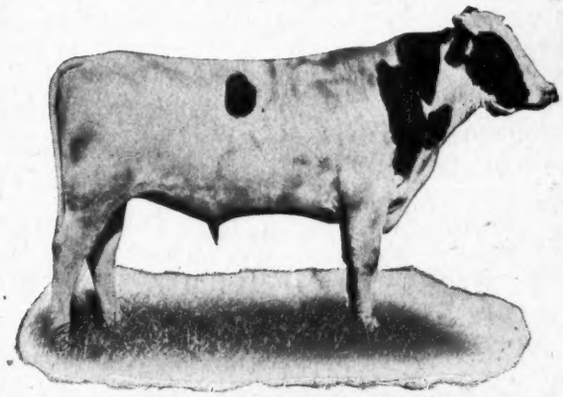
KORNDYKE SEGIS JOHANNA a son of Pontiac Lady Korndyke, 38 lbs. butter in seven days, the greatest daughter of Pontiac Korndyke.

KING PONTIAC CHAMPION a son of King of the Pontiacs by many considered the greatest bull of the breed. He is a son of Pontiac Korndyke.

MAPLE CREST KING DE KOL from a daughter of Pontiac Aaggie Korndyke, who has 12 30 lb. daughters, is 3-4 brother to King of the Pontiacs and a son of Pontiac Korndyke.



KORNDYKE SEGIS JOHANNA



KING PONTIAC CHAMPION

If in need of a herd sire write for pedigree and price or come and see our herd consisting of over 200 head of large roomy animals. Every female of milking age has an A. R. O. record.

We are breeders not dealers.

PABST STOCK FARM
WAUKESHA CO., WISCONSIN

ADMIRAL WALKER PRILLY
No. 72923.

At just three years old. Sr. herd sire. The only bull of the breed whose five A. R. O. daughters average 19.72 butter in 7 days, average age 2 years, 25 days, three of them having made over 20.00 lbs. for 7 days and from 80 to 85 pounds in 30 days.

The Stephenson Farm now offers a few young bulls from six to eight months old, sired by Admiral Walker Prilly, and from yearly record dams, one from an 809.00 pound jr. 4-year-old, ¾ sister to our world's record Sr. 4-year-old Johanna Rue Korndyke. The records of his dam and dam's dam, and his dam's ¾ sister all as four-year-olds average 837.00 pounds butter.

JAMES P. TORREY, Supt.,
KENOSHA, WIS.

AT MINNESOTA STATE FAIR 1915

Grahamholm Herd won the following in very strong competition:

Open Classes.	Minnesota Classes.
6—Firsts	9—Firsts
10—Seconds	8—Seconds
3—Thirds	1—Third
1—Fourth	3—Fourths
1—Fifth	

Senior and Grand Championships on King Segis Johanna Grahamholm. No other herd of the six competing approached this showing.

As usual in the important show ring battles, the sons and daughters of

AAGGIE CORNUCOPIA JOHANNA LAD JR.

were prominent.

If you are ambitions to combine individuality of the winning sort, with production that will put you inside the prize money, why not head your herd with a son of "Aaggie." We have some beauties —the kind that win wherever shown, and the prices are very reasonable. Write us about what you want and we shall be pleased to send complete descriptions.

GRAHAMHOLM FARMS,

W. J. BOYNTON, Mgr., ROCHESTER, MINN.

KING PONTIAC KONIGEN 75348

HIS SIRE	HIS DAM Diona Konigen Pietertje	
King of the Pontiacs, 165 A. R. O. Daughters, 10 with records from 30 to 44 lb.	Butter 7 days	37.45
	Butter 30 days	154.39
	Milk 1 day	103.00 lb.

The highest record son of King of the Pontiacs in the World for both 7 and 30 days. King Pontiac Konigen sold in Public Sale for $6,500.00; his dam sold in the E. H. Dollar Sale for $6,500.00; his full sister sold for $2,850.00; three of his sons sold for $3,500.00, an average of nearly $1,200.00. Konigen already has 50 daughters and a lot more coming. We have none of his sons yet but if you want to be sure of the blood of this great bull we can offer you a few heifers bred to him, or you can breed a few cows of the right sort.

INWOOD HERD

Ed. Kuntzman, Homeworth, Ohio

N. B. We will accept a limited number of approved cows for service. Write for terms.

THE BULL ADVERTISED

has been sold

to the Orrville Risinghurst Holstein Co. of Orrville, O., for $6,000. We now offer a son of Aaggie Beauty of Lindenwood, the 30-lb. ¾ jr. 4-yr.-old sister of Lindenwood Hope, sired by Risinghurst Johanna Ormsby De Kol, son of the famous Lindenwood Hope. This youngster combines in the closest degree the greatest butterfat producing blood lines of the breed.

Write for price and pedigree.

G. W. RISING, FAYETTE, O.

Cazenovia Breeders

LORENZO FARM One-quarter page

FOR SALE

Farm of 108 acres; 10 acres in alfalfa, 30 more will raise alfalfa, 10 acres good for garden truck if wished. Buildings all newly repaired, new silo, barn 90 feet long, 30 stanchions, 5 horse stalls, 2 box stalls, 10-room house with running water in house and barn. The farm is well watered, never fails. This farm is 20 minutes drive from four villages. Wintered 30 head of cattle and 5 horses last winter and sold hay. Had 20 tons ensilage left. Now if it is a bargain you want in a farm, it will pay you well to come and see me. I also have 3 more farms to sell and they must be sold. Terms easy.

R. D. LEE, Cazenovia, N. Y.

MEADOWOOD FARMS

Cazenovia, New York

Offers to exchange

Two sons of KING SEGIS PONTIAC ACME NO. 116467. Born March 25th and April 1st, 1915, from A. R. O. cows with good records.

For pure bred heifers.

W. G. Chard, Prop. A. L. Shepherd, Mgr.

LORENZO FARM

CAZENOVIA, N. Y.

Inquiries asked for A. R. O. cattle

CHARLES S. FAIRCHILD

SON OF A 30-LB. COW

Sired by King of the Pontiacs Small Hopes, whose first 3 daughters average over 20 lb. at 2 years, one being the champion heifer of the State of Washington. He is one of the good sons of King of the Pontiacs. This is a beautiful, square-built individual, ready for service, and a desirable herd header any way you look at him. Send for complete information.

J. A. FUGGLE

Sulphur Springs Farm, Cazenovia, N. Y.

FOR SALE

200 head of high grade Holstein cows and heifers all ages. Young grade calves either sex.

R. D. LEE,

Cazenovia, New York

HEIFER CALF FOR SALE

Sire—Pontiac Triumph Cornucopia 49270, who was by Pontiac Cornucopia, and from a 26-lb. daughter of Hengerveld De Kol. His first daughters to freshen are milking over 50 lb. per day as 2-yr.-olds.

Dam—A 14.2 lb. 2-yr.-old granddaughter of Betta Lyons Netherland (34.71 lb.) whose dam is also a 34-lb. cow.

Calf was born Jan. 23, 1915 and is a nice one. Write for pedigree and price.

H. C. STANTON

Burn Brae Clifton Heights, Pa.

A CHANCE OF A LIFETIME!

Willowdale offers bull calf born Apr. 26, 1915. A nice individual, straight, back, good hips, fine head, neck and shoulders and evenly marked. His sire, Netherland Bonanza Sarcastic Lad, is a grandson of the famous century sire, Homestead Girl De Kol Sarcastic Lad (100 A. R. O. dau.) The dam, Lady of Maple Hill 3d, a daughter of Woodbine Pontiac Hengerveld, carries 50 per cent of the blood of the King of the Pontiacs and King Segis Pontiac, being by a splendid son of the former and from the largest record daughter of the latter. First check for $70 delivers this calf to you anywhere in the United States east of Rocky Mts. Write for pedigree, etc.

W. B. JEWETT, Evans Mills, N. Y.

Sherburne Breeders

NEWTON FARMS
the home of King Veeman De Kol No. 36819.
53 A. R. O. daughters.
(Mona Veeman, 37 lbs.)
Bull calves for sale from A. R. O. dams
Send for pedigrees.
R. P. Kutschbach & Son, Sherburne, N. Y.

HARRINGTON SISTERS
Offer a Bull Calf—Born Dec. 20, 1914; more white than black; robust and active; fine individual. Sired by King Pontiac Hilldale (Sire, King of the Pontiacs, one of the greatest sires of the present day; dam, Hilldale Lorie Korndyke, 29.93 lbs. at 4 yrs.) Dam—Pietertje Clothilde Johanna De Kol 3d. A. R. O. 21.88 lbs. 5.04 per cent at 3¾ yrs. Sister to 25-lb. senior two-year-old.
Write for pedigree and price.
M. T. Bryant, Mgr., Sherburne, N. Y.

WESTSIDE STOCK FARM
Offers for sale a son of a 2.06-lb. jr. 2-yr.-old, born Jan. 8, 1915; more white than black; fine individual. Sire, Korndyke Electa Pontiac Pet, son of the 37.68-lb. bull, Korndyke Pontiac Pet, and from a daughter of Earl Korndyke De Kol. Dam, Bessie Koningen Burke Korndyke; A. R. O. 20.67 lb. at 2 yr. 3 mo. She is sired by a son of a 27.93-lb. daughter of Prince Pietertje De Kol. Pedigree and price upon application to
JOHN M. HOWARD, Sherburne, N. Y.

Only 2 grandsons of De Kol Queen La Polka 2d left. Sired by sons of Pontiac Korndyke.

CLAYTON SISSON
Sherburne Stock Farm
Sherburne, N. Y.

BULL CALF,
grandson of Pontiac Pet 37 lbs. Dam a good daughter of a 27-lb. cow and a 27-lb. bull. Will be tested. Calf born March 18, 1915; four-fifths white, large. Price $50.00, which is not the cost of raising.
HENRY LATHROP & SONS, Sherburne, N. Y.

MAD-BROOK STOCK FARM
A herd of producers headed by a grandson of the **"greatest milk producer of the breed."**
Let us know your wants.
BRIGGS & CUMMINGS
Sherburne, N. Y.

FOR SALE

Bulls ready for immediate service. Sired by a son of King of the Pontiacs from a 29.95-lb. cow. Fine individuals. Prices right.
BERT J. BUTTS
Sherburne, N. Y.

BELLEMORE STOCK FARM
Herd headed by
King Pontiac Hilldale No. 114040, a son of King of the Pontiacs, from a 29.93-lb. dam.
Cornucopia Pontiac Korndyke No. 87266, a son of Pontiac Korndyke, from a 33-lb. dam.
For sale—both females and males—all of prominent lines of breeding.
EDSALL B. REYNOLDS, Prop., Sherburne, N. Y.

BENCHESTER FARM
offers for sale a pure-bred cow and two pure-bred calves, one a granddaughter of The King of the Pontiacs from an A. R. O. dam.
HARVEY GILLETTE, Herdsman,
EUGENE B. BENNETT, Owner.
R. 3, Easton, Pa.

FOR SALE

Heifer calf, light color; full sister made 18.25 lb. butter in 7 days A. R. O. at 1 yr. 11 mo.
Sire: Elmwood Beets Korndyke, a 25-lb. bull, who has 8 A. R. O. daughters. Dam of calf a well-bred granddaughter of King Segis. Price $150.
Geo. T. McNeil, Theresa, N. Y.

HINCHEY HOMESTEAD
Offers for sale Holstein bull born Feb. 21, 1915. Sire: Hengerveld Butter Boy De Kol, a son of Hengerveld De Kol. Dam: Daisy Lill Ormsby 27.87. Color mostly white; straight and extra well grown. Write for price.
W. S. HINCHEY
P. O. Box 729. Rochester, N. Y.

FOR SALE

2-yr.-old Holstein-Friesian bull (hornless). Dam at 4 yr. has 7-da. A. R. O. record of 23.7 lb.; semi-official in 293 days, 750 lb. Well grown, half white. Price $300.00. Send for catalogue.
GEO. E. STEVENSON & SONS
Clarks Summit, Pa.

THE STANLEY ENGRAVING CO.
Photo-Engravers, Zinc Etchers, Designers.
Half tones, 3x4, at the low price of $1.50. Cuts that will run. References, this paper. Satisfaction guaranteed.
Library Bldg., Tioga St., Ithaca, N. Y.

HOLLYWOOD FARM

SIRE
King Palmyra Fayne 72099
Brother to the sire of Finderne Holingen Fayne. His first 4 daughters to freshen average 20.52 lbs. butter in 7 days, as Jr. 2 yrs.

DAM
Lilith Queen Pauline 110568
7 days butter, 32.46; 30 days butter, 117.90; 365 da. butter 1077.21. Next to the highest record daughter of Lilith Pauline De Kol's Count 28430. Has twice made over 30 lbs. butter in 7 days.

HOLLYWOOD LILITH PALMYRA 118678

Sons of Hollywood Lilith Palmyra now offered for sale—

No. 1. Hollywood Lilith Veeman, born March 10, 1915. Both of his granddams are 32-lb. cows and his dam is a 20.9-lb. Junior two-year-old.

No. 2. Hollywood Vale Fayne Lilith, born March 24th, 1915. Out of Hollywood Vale Fayne 216692. Dam's A. R. O. 7 days butter 22.48 lbs., 30 days butter 91.8 lbs. at 2 years, 3 months.

Dam's A. R. O. 7 days butter 32.707 lbs., 30 days butter 111.6 lbs. Sire's dam's A. R. O. 7 days butter 30.51 lbs. 30 days butter 112.28 lbs. Soon ready for service. Write for pedigree and photo.

Hollywood Farm, Hollywood, Wash.

R. F. D. 1, BOX 1

Risinghurst Johanna Ormsby De Kol

Son of World's record Senior four year old, Lindenwood Hope; the unparalleled per cent of fat record 4.56%.

Risinghurst Johanna Ormsby De Kol is, the sire of a superior individual, which is the only female having a world's record dam and sire's dam for which an offer of $5,000 WAS REFUSED.

Approved cows bred at $100 for a living calf. Its the dull season, but 18 cows have been bred to him in last 5 weeks. Better investigate.

ORVILLE RISINGHURST HOLSTEIN CO.,

ORVILLE, OHIO

Get Yearly Record Backing

Build for the future and the best interests of the breed.

We can offer you more high yearly record backing than any other firm in the world.

OUR HERD SIRES ARE SONS OF

RIVERSIDE SADIE DE KOL BURKE, world's champion milk producer for 7 and 30 days, 6 months and two years.

ARALIA DE KOL, the first cow to produce 28,000 lbs. milk in a year, and the World's Champion 12-year-old.

TILLY ALCARTRA, the most wonderful milk machine in the world. The World's Champion milk producer over all ages for one year and three years. The two nearest dams of this young bull hold every world's milk record from 7 days to 3 years.

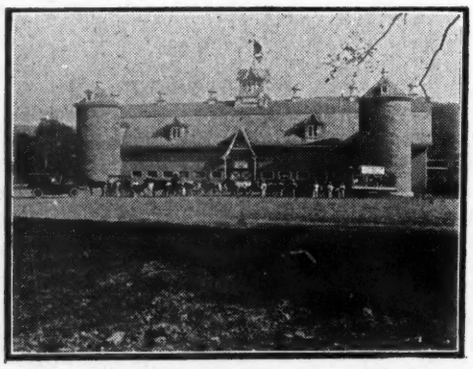
We bred every one of these three sires.

We can offer a large number of young bulls sired by them, from dams with extraordinary years records.

AT OUR PRICES you could well afford to ship one of these youngsters even across the continent. We guarantee satisfaction. Write us your wants.

A. W. MORRIS & SONS CORPORATION, WOODLAND, CAL.

RAG APPLE KORNDYKE 48020



THE LOGICAL SUCCESSOR TO HIS FAMOUS SIRE

He has 27 A. R. O. daugsters including:—

Fairview Rag Apple De Kol (37.09 lb. at 6 years) who has made three records at 2, 4 and 6 years averaging 30.05 lb.—**an unequalled showing.**

Fairview Rag Apple Darkness 4 yr 27.73
Fairview Rag Apple Pauline 26.43
Star Farm Cornucopia Rag Apple 26.41
365 days 882.38
Milk 20388.90
Sadie Vale Korndyke 2d 3 1-2 yr. 25.03
8 others above 20 lb., including a number of 2-yr.-olds.

Rag Apple Korndyke
was purchased for $5,000.00
His dam sold for 8,000.00
His brother sold for 10,000.00
His son sold in public sale for 25,000.00
(The highest price on record).

Prices do not make quality, but quality commands the prices.

Rag Apple Korndyke is a splendid individual, of rugged constitution, weighing 2650 lb. These characteristics he transmits without exception to his offspring. He has over 100 young daughters coming on, and sons at the head of many of the greatest herds.

Is there anything more desirable (all things considered) than a son of Rag Apple Korndyke, from the right sort of a dam? We have a number of them which we are offering at reasonable prices.

W. WORTH JENNINGS, Prop.

JENNINGSHURST STOCK FARMS TOWANDA, PA.

Holstein-Friesian World

VOL. XII. MADISON, WISCONSIN, NOVEMBER 27, 1915. NO. 50.

How Holstein-Friesians Lead

A Comparison of Breeds as to Butter Production.

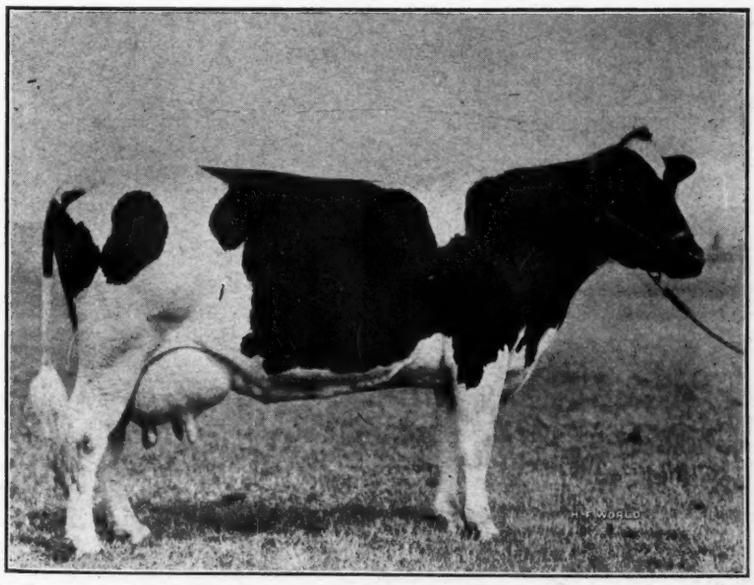
By Harold McAllister.

The greatest question with those who are starting in the breeding of pure bred live stock is that of selecting the breed which is the greatest producer of butter. On this one factor, probably more than any other, are the comparative merits of the different breeds judged as it has now been proven by the numerous experiments and tests that a cow is profitable in direct ratio to the amount of butter she produces in a year. Prof. A. L. Haecker of the University of Nebraska states that "a breed of cattle can survive in the stiff competition of today only through the authenticated tests of its animals." There is, however, no longer any more room for doubt and discussion as to which is the greatest producer of butter for that question has been conclusively proven by the official records of the various breeds from seven days to a year.

In the seven-day test the synopsis of 47,145 official butter records made for that length of time is as follows:

	Over 32 lbs. fat.	28 lbs. fat.	24 lbs. fat.	20 lbs. fat.
Holstein	5	42	501	2625
Guernsey	..	..	3	35
Jersey	..	..	3	9
Ayrshire	..	..	1	8

The Holstein breed thus has five cows over 32 lbs. fat or 40 lbs. butter and 42 cows over 28 lbs. fat while no cow of another dairy breed has been able to approach even 28 lbs. of fat. There has been over 500 Holsteins to make over 24 lbs. fat or 30 lbs. butter in seven days while the Jersey breed has only three cows above that figure, the Guernsey two, and the



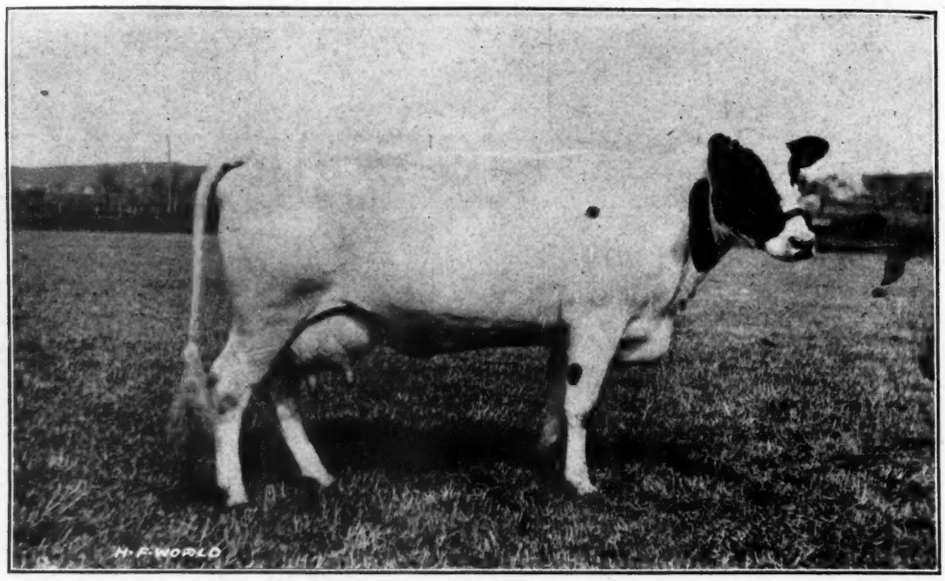
FINDERNE PRIDE JOHANNA RUE.
Butter 1 year 1,470.58 lbs.; milk 28,403.7.

A CHIP FROM THE OLD BLOCK

By S. Hoxie

The period is past during which we can war against any class or breed of improved dairy cattle. Our Jersey friends commenced the so-called "battle of the breeds" which began in 1875 and which is now quietly coming to its close. Doubtless it commenced from their lack of knowledge of the Holstein-Friesian breed. This should not be a matter of wonder to us for the few Holstein-Friesian breeders, in this country in 1875, themselves knew very little about their own herds. The Jersey breeders attack began almost as fiercely as Germany's attack upon France began a year and a half ago. They were also as well organized. There never was a better educated or a more capable organization than the A. J. C. C., and never one that had more determined and skillful leaders. Our American agricultural journals generally discredited the records of milk and butter which were claimed for Holstein-Friesian cows. Besides all these discouraging things there were up to 1885 two opposing organizations battling over the proper name of our breed and its real origin and history.

In 1885 our Holstein-Friesian breeders finally succeeded in uniting, and close upon this event came the first important trial in this battle. In 1877 or 78 the Jersey cattle club initiated a movement for a great dairy show in New York City. Its real aim was to demonstrate the absolute superiority of the Jersey breed over the Holstein-Friesian, both in quantity and quality of butter production. In anticipation of such a triumph, the President of the A. J. C. C. offered a beautiful silver pitcher, on which was engraved the form and attitude of a beautiful Jersey cow, as first prize for the highest quality of butter or highest quantity (I am not sure which) produced by a single cow, exhibited at the show. This show was held in Madison Square Garden. It was my good fortune to be able to attend it. Of butter it was the most magnificent show I



FINDERNE HOLINGEN FAYNE.
At 3 years, 4 months, 14 days she produced in 1 year—butter 1,395.06 lbs.; milk 24,612.8 lbs.

Ayrshire one. There is also, according to Superintendent Gardner, 2625 Holsteins with official records above 20 lbs. fat while the Guernsey only has 35 and the Jersey 9.

The ten highest record Holstein cows for thirty days and their records also for seven days is as follows:

	lbs. fat 30 days.	lbs. fat 7 days.
K. P. Pontiac Lass	137.20	35.34
Mabel Segis Korndyke	132.18	32.26
Valdessa Scott 2d	131.43	33.50
Sadie Vale Concordia 4th	130.44	32.85
Pontiac Lady Korndyke	125.54	30.42
Sadie Vale Concordia Pietje	121.85	30.74
Diona Koningin Pietertje	123.51	29.95
Johanna De Kol Van Beers	121.11	32.06
Finderne Holingen Fayne	120.27	29.87
Tweede White Lady	119.93	29.96
Average	126.35	31.70

The magnitude of these averages will be easily seen yhen compared with the records made by cows of other breeds. The World's record Jersey for seven days, Dosoris Park Lily, made 26.11 lbs. fat from 435.25 lbs. milk. The World's Champion Jersey for yearly production, Sophie 19th, of Hood Farm, made only 25.44 lbs. fat from 428.5 lbs. milk in seven days. The third highest record Jersey for seven days, Myrtle of Big Poplar, made 24.71 lbs fat from 473.6 lbs. milk. The average of the three highest Jersey records is 25.419 lbs. fat from 445.9 lbs. milk or 8.478 lbs fat behind the average of the three highest Holstein records for seven days.

In the Guernsey breed, Murne Cowan and May Rilma tie each other for the highest production for seven days each making 24.40 lbs. fat. Dolly Dimple comes third with the production of 23.90 lbs. fat in seven days. The average of the three highest Guernsey records for seven days is 24.233 lbs. fat from 491.3 lbs. milk or 9.664 lbs. fat behind the average of the three highest Holsteins. The three highest Ayrshire records for seven days average 23.014 lbs. fat from 526.4 lbs. milk. The World's record cow for the different divisions in each breed are:

Seven Days.

	Milk.	Butter fat.
Holstein—K. P. Pontiac Lass	585.9	35.343
Jersey—Dosoris Park Lily	435.5	26.108
Guernsey—Murne Cowan	564.8	24.40
Ayrshire—Gerranton Dora 2d	541.1	23.60

ever saw, of cattle it was quite limited.

I must give credit to the managers for the perfect fairness of its arrangement and management. A Holstein-Friesian breeder was called upon to arrange the butter exhibit. He excluded from it every means of knowing the names of the exhibitors. An impartial judge was obtained from Boston.

I regret to write that not a single breeder of Holstein-Friesians entered butter in this exhibit except the firm of Smiths and Powell of Syracuse, N. Y. Mr. Powell, to whom I have recently written for information is unable to give me full particulars, on account of ill health, but I know that the firm of Smiths and Powell won the silver cup and also the second prize for quantity of butter fat. Moreover it won the first prize for quality of butter.

I add for the information of the public and especially for a class of Jersey breeders, that quality of butter depends not upon breeds of cattle but upon the skill of the butter makers.

WEIGHTS FOR BARN USE.

A quart of the following feeds weighs the pounds or fraction of a pound opposite each:

Cottonseed Meal, 1.5 lbs.; Linseed Meal, old process, 1.1 lbs.; Wheat Bran, coarse, .5 lbs; Wheat Shorts, coarse, .8 lbs., and fine, 1.1 lbs.; Cornmeal, 1.5 lbs.; Oats, 1.2 lbs.; Crushed Oats, .8 lb.; Barley Meal, 1 lb.

Learn to live on a farm, that is to get enjoyment out of it.

Thirty Days.

Holstein—K. P. Pontiac Lass	2316.4	137.20
Jersey—Olympia Fern	1912.8	116.49
Guernsey May Rilma	1839.9	103.03
Ayrshire—Gerranton Dora 2d	2319.0	101.15

One Year.

Holstein—Finderne Pride Johanna Rue	28403.7	1176.47
Guernsey—Murne Cowan	24008.0	1098.18
Jersey—Sophie 19th of Hood Farm	17557.8	999.14
Ayrshire—Auchenbrain Brown Kate 4th	23022.0	917.60

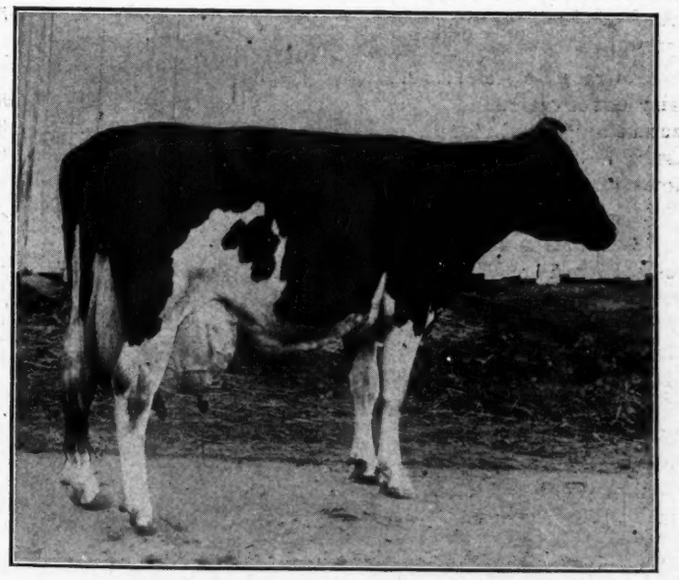
For seven days there are over 400 Holsteins that have exceeded the World's record Guernsey, Murne Cowan, who made only 24.40 lbs. fat in a week. As there is less than one Holstein cow out of twenty that is continued on yearly test, there are only two Holsteins that have exceeded Murne Cowan's record for 365 days There would be undoubtedly however a large percentage of those 400 Holsteins that execeed Murne Cowan for seven days that would have exceeded her record also for a year had they been continued on test as the results of the Wisconsin Dairy Competition proved that there is no appreciable difference in the persistency between the Jersey, Holstein or Guernsey. The average of the highest Holstein records for seven days is approximately one-third greater than that of the Jersey and 40 per cent greater than that of the Guernsey and this percentage of superiority would have probably been kept for 365 days had the majority of great-record Holsteins been tested for a year.

In the thirty-day division the synopsis of 12,132 records made by cows of different breeds is as follows:

	128 lbs. fat.	112 lbs. fat.	96 lbs. fat.	80 lbs. fat.
Holstein	4	31	254	1048
Guernsey	..	..	3	39
Jersey	..	1	4	33
Ayrshire	..	..	1	10

In the official Holstein butter tests for longer than 7 days, the sixty day record is held by K. P. Pontiac Lass who made 247.05 lbs. fat; the 100 days record is held by the same cow with a production of 372.13 lbs. fat and the 120 days record is held by Johanna De Kol Van Beers who made 433.08 lbs. fat. The highest thirty day record made by a Holstein cow, eight months or more after calving, is held by Finderne Pride Johanna Rue who made near the last month of her test, 117.64 lbs. fat from 2437.2 lbs. milk in 30 days.

The highest Guernsey 30-day record made eight months after calving is held by Murne Cowan who made 98.80 lbs. fat from 1871.3 lbs. milk in 31 days.



RIVERSIDE SADIE DE KOL BURKE.
Butter 2 years 2,065.26 lbs.; milk 54,808.2 lbs.

THE OUTLOOK IN KANSAS

By Ray Yarnell, Topeka, Kansas.

Topeka, Kan., Nov.—That Kansas is rapidly becoming one of the leading dairy states in the middle west is the declaration of O. E. Reed, professor of dairy husbandry, in the Kansas State Agricultural College here. He prophesizes that within a few years the Jayhawker state will be a leader in the production of dairy products if the interest in dairying, shown during the last two or three years, persists.

Just as an example of what has been accomplished, Professor Reed points out that in 1914 Kansas dairymen made a profit of $1,000,000 more from their dairies than they did in 1913. That, he argues, is sufficient incentive for them to continue to push the new industry.

Through the establishment of milk condensaries throughout the state and the building up of dairy communities, most of them containing Holstein-Friesian cattle, whose reputation as milk producers has made them popular with Kansas, the interest in dairying has been greatly intensified. The showings made at fairs all over the state by the black and white cows is another thing that is causing Kansas farmers to specialize in the Holstein-Friesian breed as dairy cattle and they are making money.

The success of the Holstein-Friesian community near Mulvane is having much to do with the way farmers are filling up their barns with the big milk producers.

"Kansas is sure to become one of the leading dairy states in the Union," said Professor Reed, "because of her natural fitness in the way of climate and feed. As the population increases, the demand is going to be great and is going to be satisfied from home grown stuff. There is a greater demand for special purpose dairy cows today than there ever has been before. There is no question but that Kansas will be right in line so far as dairying is concerned.

"The future of dairying depends on grade dairy cattle and thoroughbreds. It is highly important that the farmers pay more attention to the selection of bulls so as to get bulls from high producers. The farmer cannot pay too much attention to the quality of the sire. He should be of a good mother and a good family which has a good record back of it."

The increase in population and the high price of land in Kansas has caused more diversified and intensive farming. The farmers have found that dairying brings in more consis-

tent returns than does grain farming. Dairying keeps up the soil fertility and puts farming on a more permanent basis.

Other factors which serve to aid Kansas as a dairy state are her mild climatic conditions and the growing of alfalfa hay. At the present time Kansas has more than 1,000,000 acres in alfalfa. The use of the silo has been another important factor. Five years ago there were approximately sixty silos in the state; now there are more than 9,000. A new silo is being built in Kansas every half day. The dairymen as a rule can make more profit out of his silo th farmers.

SERUM TESTS AND THE FOOT-AND-MOUTH DISEASE

Department of Agriculture's Official Statement of the Origin of Present Outbreak in Northern Illinois.

Washington, D. C., Oct. 30, 1915.

An official statement in regard to the recent reappearance in northern Illinois of the foot-and-mouth disease after it had been apparently stamped out early in the year, was issued today by the United States Department of Agriculture. From this statement it appears that the outbreak has now been definitely traced to an antihog-cholera serum prepared from the blood of hogs infected with foot-and-mouth disease but showing at the time the serum was manufactured no symptoms of the contagion. According to the statement, the serum was thoroughly tested before it was permitted to be placed upon the market, and the tests failed to reveal any evidence of contamination. After the recurrence of the disease in Illinois, samples of the serum were tested again and again by the Department of Agriculture and also tested by the United States Public Health Service. It was not until the sixty-second animal used in the tests had been inoculated with the serum, however, that the bacteriologists of the Department were able to produce any symptoms of foot-and-mouth disease.

The Department's statement is as follows:

In Ocotber, 1914, an outbreak of foot-and-mouth disease—the first in this country in six years—was discovered in the vicinity of Niles, Michigan. Despite thorough investigation, the source of the infection remains unknown. It was learned, however, that before the occurrence was reported to Washington and the disease diagnosed by veterinarians familiar with it through experience in past

The best Jersey record is held by Spermfield Owl's Eva who made 87.39 lbs. fat from 1225.1 lbs. milk in 31 days.

The average of the five leading cows of each of the seven different classes for yearly production, 35 animals all together, is for the three leading breeds as follows:

	Milk.	Butter fat.
35 Holsteins	23428.8	842.65
35 Guernseys	15123.1	794.70
35 Jerseys	14013.2	742.85

The synopsis of 12,112 yearly records is as follows:

	Over 1100 lbs. fat	1000 lbs. fat	900 lbs. fat	800 lbs. fat	700 lbs. fat	600 lbs. fat
Holstein	2	4	23	54	145	422
Guernsey	..	2	8	21	78	263
Jersey	..	..	6	19	48	181
Ayrshire	..	..	1	6	11	29
Brown Swiss	..	..	..	..	2	8
Shorthorn	..	..	..	..	...	2
Red Poll	..	..	..	..	...	1

The Holstein breed thus has more cows over 1100 lbs. fat, 1000 lbs., 900 lbs., 800 lbs. and 700 lbs. fat than all other breeds of cattle combined. Four years ago the Jersey had seven cows yielding over 800 lbs. fat and the Holstein only three 800 lb. fat cows. The wonderful progress made by Holstein cows in the last few years is thus seen in that that breed now has 54 cows over 800 lbs. fat while the Jersey has only 19. The Holstein breed has 23 cows over 900 lbs. fat while all other breeds have but 15. It will be noticed that neither the Jersey nor the Ayrshire breed have any cows that have made 1000 lbs. fat in a year, yet the Holstein breed has four to exceed that figure and two that have made over 1100 lbs., including one Junior three-year-old. No other breed has ever had a cow outside of the Holstein to make 1100 lbs. fat. The leading cows of each breed for yearly production in each of the seven different classes are as follows:

(H. for Holstein, J. for Jersey, G. Guernsey, A. for Ayrshire and B. for Brown Swiss.)

Full aged class.	Milk.	Butter fat.
H—Finderne Pride Johanna Rue	28403.7	1176.47
G—Murne Cowan	24008.0	1098.18
J—Sophie 19th of Hood Farm	17557.0	999.12
A—Auchenbrain Brown Kate 4th	23022.0	917.60
B—College Bravura 2d	19461.0	798.16
Senior four-year-old class.		
J—Olympia Fern	16147.8	937.83
H—Lindenwood Hope	20404.7	931.45
G—Dairy Maid of Pine Hurst	17285.3	910.67
A—Miss Nox 3d	15015.0	576.94
B—Betty of Allynhurst	13106.8	576.66
Junior four-year-old class.		
H—Daisy Grace De Kol	21718.3	962.80
G—Azucena's Pride 2d	16203.9	855.70
J—Lass 64th of Hood Farm	13444.6	817.81
A—Agnes Wallace of Maple Grove	17657.0	821.45
B—Merry of Allynhurst	14371.3	578.87
Senior three-year-old class.		
J—Lass 66th of Hood Farm	17793.7	910.60
G—Dolly Dimple	18458.8	906.89
H—Duchess Hengerveld Korndyke	22897.0	903.33
A—The Anness of Torr	14582.0	640.72
B—Alpha Girl	12989.7	534.85
Junior three-year-old class.		
H—Finderne Holingen Fayne	24612.8	1116.05
G—Johanna Chene	16186.7	863.36
J—Lass 74th of Hood Farm	13713.8	747.63
A—Ethel of South Farm	15056.0	589.20
B—Ola B	15603.5	584.92
Senior two-year-old class.		
H—K. P. Manor Kate	22106.4	818.73
G—Langwater Hope	15078.8	773.59
J—Lass 73d of Hope Farm	11891.4	659.41

A—Henderson's Dairy Gem	17974.0	738.32
B—Scallota K.	9286.4	454.24
Junior two-year-old class.		
H—Finderne Mutual Fayne	22150.7	960.52
J—Pearly Exile of St. Lambert	12345.5	816.03
G—Cherry of Edgewater	13454.2	732.97
A—Jean Armour 3d	14987.0	599.91
B—Gwinlila of Allynhurst	11312.2	477.10

The figures for the Jersey breed are taken from the Jersey Bulletin of October 20th, 1915, and are correct to September 1, 1915. The records for the Guernsey breed are given by the October Guernsey Breeders' Journal and are correct to September 15, 1915. The records for the Ayrshire breed are taken from the July Ayrshire Quarterly and are correct to June 1, 1915. The records for the Brown Swiss are taken from the pamphlet on officially tested Brown Swiss cows and are correct to May 1, 1915. The records for the Holstein breed are correct to October 20, 1915.

The average of these seven-class leaders in each of the five different breeds is as follows:

	Milk.	Butter fat.
Holstein	23184.6	981.34
Guernsey	17298.4	877.34
Jersey	14699.1	841.2
Ayrshire	16899.0	697.81
Brown Swiss	13733.0	366.97

The Holstein breed holds the World's records in seven of the different classes and the Jersey in two. The average of the seven Holstein class-leaders is 11.8 per cent greater than that of the Guernsey, 16.6 per cent greater than the Jerseys and 40.5 per cent greater than the Ayrshires.

In the yearling class the Holstein cow, Woodcrest Colantha Pietje, holds the butter record for all breeds, making 20859.7 lbs. milk and 639.62 lbs. fat in 365 days. The highest record made by a yearling of any other dairy breed is held by the Jersey, Lucy Farce, who made 14260 lbs. milk and 635.7 lbs. fat.

The ten highest records made by the two-year-olds of different breeds are as follows:

	Milk.	Butter fat.
H—Finderne Mutual Fayne	22150.7	960.52
H—K. P. Manor Kate	22106.4	818.73
J—Pearly Exile of St. Lambert	12513.1	720.5
H—Queen Piebe Mercedes	20825.2	789.17
G—Langwater Hope	15078.8	773.59
H—Inka Beets De Kol	19673.6	763.57
H—Paula of Chagrins Falls 4th	20153.0	744.53
A—Henderson's Dairy Gem	17974.0	738.32
H—K. P. Lady	17760.2	737.74
H—Lady Paul Lwardy 3d	20936.7	737.36

The Holstein breed thus has seven, the Guernsey's one, the Jersey's one and the Ayrshire's one of the ten highest two-year-olds for yearly production. The Holstein breed also has more two-year-old heifers over 900 lbs., 800 lbs., 700 lbs., and 600 lbs., fat than all other dairy breeds combined.

	900 lbs. fat.	800 lbs. fat.	700 lbs. fat.	600 lbs. fat.
Holstein	1	2	11	50
Guernsey	..	..	5	21
Jersey	..	1	2	10
Ayrshire	..	..	1	1

The average of the ten highest Holstein yearly record two-year-olds is 20,200.19 lbs. milk and 771.338 lbs. fat; the average of the ten highest Guernsey two-year-olds is 13,056.54 lbs. milk and 697.54 lbs. fat. The average of the ten highest Jersey two-year-olds is 12193.8 lbs. milk and 655.9 lbs. fat and the average of the ten highest Ayrshire two-year-olds is 140021.3 lbs. milk and 544.08 lbs. fat.

The average of all the Junior two-year-olds of each breed is as follows:

428 Holstein Jr. two-year-olds	12167.4	417.79
1085 Guernsey Jr. two-year-olds	7552.3	378.59
1528 Jersey two-year-olds	6552.	353.
300 Ayrshire two-year-olds	7775.0	310.4

outbreaks, animals from the infected area had reached Chicago. Owing to the extreme contagiousness of the disease, the Union Stock Yards were quarantined (October 31). Ordinarily several days or a week elapse between infection and the appearance of symptoms, and although there was no conclusive evidence on the point it was believed possible that the animals in question might have reached the yards in the incubative stage and infected them.

On November 1 this belief was strengthened by the discovery of the disease in the cattle being exhibited at the Dairy Show in the immediate vicinity of the yards. In the yards proper, however, the first case did not appear until November 3. The next day foot-and-mouth disease was found among the hogs at the establishment of the Great Western Serum Company. This establishment was quarantined at once and at about the same time a precautionary quarantine was also placed upon another establishment, that of the Chicago Serum Company, located about a mile away, although no actual cases of the disease had been found at this second establishment. At that time the Chicago Serum Company had on hand approximately 101,000 cubic centimeters of anti-hog-cholera serum which had been prepared late in October. All of this serum was placed under official seal by the inspectors of the Department and withheld from distribution.

During the ensuing six months the disease, which had spread widely over the country, was effectively combated by the slaughter of all exposed herds. It was then decided that the law required the Department to comply with the request of the Chicago Serum Company for a test of the serum in order that if it were found safe, it might be placed upon the market. The National Serum Law gives the Department no authority to refuse to permit the sale of a serum unless it is contaminated, dangerous, or worthless.

Arrangements were accordingly made by the Chicago Serum Company for a test under the supervision of the Department. Forty-one thousand cubic centimeters of the serum were thoroughly mixed and rebottled, and on June 30 samples were injected into eight small hogs. Two check hogs were also included in the test. Although injections as large as 40 cubic centimeters were used, it is certain that none of these hogs developed foot-and-mouth disease. The test being thus absolutely negative—that is to say no indications of the disease

resulting from it—the company was informed that it could ship out the serum to its customers.

On August 8 the inspector in charge of field inspection at Chicago telephoned to Washington that a case of foot-and-mouth disease had been discovered in a herd which had been inoculated with this serum in Cook County, Illinois. Pending investigation, all shipments of serum produced in Chicago were at once prohibited. As a result of the investigation it was found that serum from the Chicago Serum Company had been used on eleven herds of hogs, eight of which were in Illinois and one each in Minnesota, Michigan, and Indiana. Inspection showed that eight of these herds were infected with foot-and-mouth disease, although only a very small percentage of the hogs in them manifested symptoms of the disease. All the animals were, however, slaughtered at once. The three herds in which no disease was found were also slaughtered without waiting to see whether they would subsequently develop the disease or not. This measure was necessary on account of the risk that the disease might be spread by the animals while in the incubative stage. As a result of the precaution no further cases have been reported from Michigan, Minnesota or Indiana.

In addition to these measures adopted to control the spread of the disease, samples of the serum actually used were procured from the owners of the infected herds and also samples of the remaining stock of the Chicago Serum Company. Pigs and calves, the animals which are most susceptible to foot-and-mouth disease, were inoculated with these samples. The results were again negative and after two series of tests had been made, the United States Public Health Service was asked to conduct a third series. This also was negative.

Up to this time, therefore, four series of tests had been made in which a total of 52 animals had been used. None of these 52 animals developed foot-and-mouth disease and the inoculations afforded no evidence that the serum was in any way contaminated. Each subsequent series apparently only confirmed the original test made before the serum was permitted to be placed upon the market. The fact remained, however, that herds treated commercially with the serum had developed foot-and-mouth disease. A fifth test therefore was made and ten days after inoculation, the sixty-second animal which had been used in the tests, a calf which had received thirty cubic centimeters, developed

The average Holstein Jr. two-year-old thus produces over 11% more butter than the Guernsey; over 18% more than the Jersey and over 34% more than the Ayrshire.

The ten highest record cows of each breed for yearly production are as follows:

Holstein	Milk	Butter fat
Finderne Pride Johanna Rue	28403.7	1176.47
Finderne Holingen Fayne	24612.8	1116.05
Banostine Belle De Kol	27404.4	1058.34
Pontiac Clothilde De Kol 2d	25318.0	1017.28
Highlawn Hartog De Kol	25592.5	998.34
Colantha 4th's Johanna	27432.5	998.26
Lothian Maggie De Kol	27967.6	990.80
Maple Crest Pontiac Flora Hartog	25106.3	986.11
Crown Pontiac Josey	28752.3	982.23
Maple Crest Pontiac Spotted Annie	21393.0	981.02
Average	26198.31	1030.49

Guernsey		
Murne Cowan	24008.0	1098.18
May Rilma	19673.0	1073.41
Spotswood Daisy Pearl	18602.8	957.38
Julie of the Chene	17661.0	953.53
Imperial Daisy Moon 3d	18019.4	928.39
Muanda of Mapleton	16630.7	927.16
Dairy Maid of Pinehurst	17285.3	910.67
Dolly Dimple	18458.8	906.89
Imperial Beauty of Park Farm	14686.8	898.82
Imperial Queen Regent 4th	15862.5	889.57
Average	18088.83	954.402

Jersey	Lbs.	Oz.	Lbs.	Oz.
Sophie 19th of Hood Farm	17557	12.	999	2.2
Spermfield Owl's Eva	16457	6.4	993	4.1
Eminent's Bess	18782	16.5	962	13.2
Jacoba Irene	17253	3.2	952	15.4
Olympia's Fern	16147	13.6	937	13.3
Lass 66th of Hood Farm	17793	11.2	910	9.6
Lass 38th of Hood Farm	16275	13.2	890	5.0
Temesia's Owl's Rose	17056	6.4	863	12.0
Lass 40th of Hood Farm	18661	7.0	854	14.5
Olga's 4th Pride	16275	13.2	851	11.0
Average	17226.6		921.9	

Ayrshire.	Milk	Butter fat
Auchenbain Brown Kate 4th	23022	917.60
Lily of Willowmoor	22106	888.70
Auchenhain Yellow Kate 3d	21123	888.33
Agnes Wallace of Maple Grove	17657	821.45
Netherall Brownie 9th	18110	820.91
Garclaugh Spottie	22589	816.25
Gerranton Dora 2d	21023	804.79
Jean Armour	20174	774.73
Henderson's Dairy Gem	17976	738.32
Rena Ross 2d	18849	713.56
Average	20262.7	818.464

The ten highest record Brown Swiss average 645.86 lbs. fat and 16087.1 lbs. milk. The great progress of the Holstein breed in the average of the ten highest yearly record cows has been very extraordinary in the last five years. In 1911 the average of the ten highest Jerseys for yearly production was 822 lbs. fat; for the ten highest record Guernsey, 818 lbs. and for the ten leading Holsteins, 786 lbs. fat. Thus from being 32 lbs. behind the Jerseys, the Holstein breed is now 76 lbs. fat ahead of the Guernseys and 109 lbs. fat ahead of the Jerseys. When such wonderful strides have been made in the past in the Holstein breed, what may we expect of the future, especially when yearly testing has just been taken up appreciably by Holstein breeders in the last year or two. (See Field Note.)

characteristic lesions. The diagnosis of foot-and-mouth disease was subsequently confirmed by the inoculation of other animals with material from the infected calf.

This is regarded as proof that the suspected serum actually was infected. Why the standard tests used on 61 animals failed to reveal this fact is a matter for scientific investigation and the bacteriologists of the Department are now at work upon the problem. At the time of manufacture, one-half of one per cent of carbolic acid was mixed with the serum to act as a preservative. It is now believed that the carbolic acid, acting as a germicide, may have attenuated or partially destroyed the virus to such an extent that what have previously been considered safe tests failed to establish the presence of the infection. It is also possible that the virus instead of being disseminated throughout the entire mass of serum, may have become agglutinated. This has been known to occur with germs of other diseases. The result would be the formation in the serum fluid of isolated clumps of foot-and-mouth disease virus, while the bulk of the serum remained free from these tiny masses. If this were the case, it is obvious that certain animals inoculated with the serum would develop foot-and-mouth disease and others would escape. Up to the present, it should be stated, scientists have not been able to identify the germ of foot-and-mouth disease although the economic importance of the plague in Europe has caused it to be studied exhaustively for many years.

In the Department, experiments are now being vigorously prosecuted with a view to discover a means of treating serum at the time of its manufacture which effectually will kill the virus of foot-and-mouth disease. The results so far attained are promising and the Department hopes that a successful method will be evolved shortly. In the meantime all the infected serum in the hands of the Chicago Serum Company has been destroyed without compensation. All other serum manufactured in Chicago, which it was believed might contain possibilities of danger, has likewise been destroyed. Furthermore, the Department is prohibiting the shipment of any serum from licensed establishments in the districts that are under quarantine for foot-and-mouth disease.

Let's try to get the kinks out of our dispositions. Let's remember that it's falltime, and be thankful for pumpkin pies.

Field Notes

Delavan, Wis., Nov. 18, 1915.

I am pleased to be able to report that the Holstein-Friesian heifer, Eva May Ellis 5th 224005, has broken the record for fat production in the senior two-year class of the 7-day division, by producing in seven consecutive days 507.5 lbs. fat from 25.112 lbs. milk. She freshened at the age of 2 years, 8 months, 23 days. Her sire was Sir Pietertje Soldene 90614; her dam is Eva Ellis 72747. She was bred by S. D. Nichols, Lyndonville, Vt., and is now owned by Allamuchy Farms, Allamuchy, N. J. In the senior two-year class of the 7-day division she displaces Molly Johanna Korndyke 184885, whose record for 7 days is 24.498 lbs. fat from 484.1 lbs. milk.

Malcolm H. Gardner,
Supt. A. R.

* * *

M. R. Evans of Hinckley, Ill. has just returned home after a trip East to return a bull which he had been using from the Lawson farms at LaGrangeville, N. Y. Mr. Evans reports Holstein-Friesian conditions as "Looking up" in Illinois,—particularly in the northern part of the state where he is situated. He feels that Illinois holds a great future for the "Black and Whites", as it is essentially a good dairy state, and one in which the Holstein breed has not yet secured much more than a foothold.

Mr. Evans' senior herd sire is Sir Ymba Spofford Pledge No. 39047. This is a bull which he secured from E. H. Knapp & Son of Fabius, N. Y., and for the dam of which D. W. Field & Son of Montello, Mass., paid $6,000, she being the fourth 30 lb. cow. Her name is Ymba 3d Pledge Clothilde. Mr. Evans is now testing some daughters of this bull, and they are just completing a yearly semi-official record. A five year old daughter will approximate 815 pounds of butter and 7800 lbs. of milk in her test, while the three year old daughter will produce 725 lbs. of butter and 17100 lbs. of milk. Another daughter, a four-yr-old, Mr. Evans tells us, will reach 745 lbs. of butter and 16800 lbs. of milk. These are pretty good records, and Mr. Evans is to be congratulated upon the quality of his herd, as it is evident that he has some good animals among the fifty or so which he owns. The junior sire on Mr. Evans' farm is a young son of the great King Segis Pontiac Alcartra out of Plattekill Pietertje Cornucopia No. 120814, who has a record of 32.43 lbs. of butter in seven days. He secured this young bull from the Lawson Holding Co. Inc. of LaGrangeville, N. Y. July of this year, and states that he likes him very much. We will have a cut of this young animal in the next issue of the "World".

* * *

The sale at Earlville, November 17 and 18 of 14 animals belonging to A. L. Kessler of Brandt, Pa., closed out his business of breeding Holsteins. He has been on his parents' farm for 15 years past and has been breeding purebreds for six years. He sold seven animals before the Earlville sale, and "cleaned out" there. He expects to spend the winter in Florida, but beyond that his plans for the future are still unsettled.

Mr. Kessler attributes the present depression in the price of Holstein-Friesians to several causes.

"The European war has had some effect on the situation," he said, "and the foot-and-mouth disease, though it might be expected to boost prices, has tended to depress them. Buying on test, which the Borden company and others have adopted, has also helped to put prices on Holstein-Friesians lower than they have been for years."

Mr. Kessler is emphatic, however, in his choice of Holsteins as milk producers.

"If I were going to stay in the game," he said, "no other breed would tempt me, in spite of the claims which advocates of some of them put forth. It seems clear to me that 50 pounds of 3½% Holstein-Friesian milk is worth more than 25 pounds of 6% Jersey milk, and I confidently assert that Holstein-Friesian breeding will come back into its own. Three states of the Union, New York, Wisconsin and Illinois are headquarters for Holstein-Friesians, and these three have all the other states to feed.

Pennsylvania is filling up some, though Pennsylvanians have been somewhat shy. Virginia and West Virginia are crazy for Holstein-Friesians, and Washington, Oregon, Nebraska, and many other states, are sending in their inquiries. No. sir, the Holstein-Friesian bubble has not burst yet, by any means, and it will not burst for many years to come."

Mr. Kessler has many friends among the breeders who will be sorry to lose him from the game.

The leading article by Harold McAllister should be amended to include the record of the new champion butter-fat producer, Duchess Skylark Ormsby. Her record is 27,761.7 lbs. milk containing 1,205.09 lbs. fat. This will change the results in several of the tables.

The only weekly Holstein - Friesian Journal.

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Editorials

The Holdup Between Producer and Consumer

Current Opinion for November contains the first of a series of articles on "The Milk Industry". This article is entitled "The Marketing of Milk—How Farmers are Driven Out of Business and the Cost of Living is Forced Up".

The article sets out to deal with facts and not to indulge in argumentation. It points out that when New York City had 350,000 unemployed adults, farmers were hampered for lack of help. It cites the excess of urban over rural population and the rapid increase of this excess. It says that in Rhode Island, 96 per cent of the people are Urban; in New York 75 per cent; in Massachusetts, 93 per cent; in Connecticut 89 per cent; and in Pennsylvania, 61 per cent." It also states that in all but three states, Nevada, Wyoming and New Mexico, the line of urban population is longer for 1910 than for any preceding decade. It asks: "If the very base of all national prosperity is the farm, why is all this? Why this amazing spectacle of bartering away the right to live for the permission from some other man for the right to live? for this is just about what the exchange from farm to factory means."

Referring to the dairy cow the article continues: "If we are to believe the theorists, the dairy cows is the first act and the middle act and the last act of every fertile and successful farm. The dairy cow has been pictured as the "mortgage lifter, "the silk dress buyer,' 'the banker lady' and the 'motor car creator' of successful farms in the richest agricultural states. In diversified farming the dairy cow has been played up as the star * * * If in your dreams you see a festive cow come dancing the tango across the hardwood floor of your castle-in-the-air, with a switch of her tail, more graceful than the bow of the dancing master to his partner, know *acording to theory* you are foreordained, destined and elect to wallow in the fat of the land on that future farm of yours".

The writer continues, "Instead of this, behold the fact! With feed advanced from $10 to $28 and $35; with the price of milk advanced to the consumer from 5 and 6 cents a quart to 9 and 10 cents; the price of milk to the producer has gone down from 4.4 cents a quart in 1909, and 4.3 in 1910 to 2.8 and 3.4 in 1915, so that a farmer who produces 10 cans of milk per day, receives $4 per day less than formerly, or $120 per month, or $1,140 per year—enough to wipe out the profits on the average farm, or to put the sub-average farm in a hole".

It seems that this writer has reached the conclusion, as farmers have been aware for a long time, that the trouble is not with the producer, nor with the consumer, but with the "middle man". It costs more to produce milk; the consumer pays more; but the producer gets less and less.

Is not this one of the reasons for the drift of population from the country to the city? Do men better their condition by this shift—instead of receiving low prices for their products they must pay high prices for necessities. Would it not be better to combine forces and demand a fair division of profits?

What Makes Value

There is always danger that we may come to think of animals as having unusual value because of the mere fact that they are purebred and registered. And such is, in fact, usually the case but the point which we wish to bring out is that it is not necessarily so. The fact that an animal is purebred denotes that for many generations back there has been no intermingling of foreign blood—it denotes purity of blood but not degree of quality. By the intentional mating of poor individuals for a number of generations, it would be possible to develop ill-formed individuals that would be as unprofitable as—well, Jerseys or goats or worse and still they would be pure and might be registered. Registration papers have never inspired a cow to a large milk flow or a high butter fat test or induced her to get calves with robust constitution. What counts then? Plainly it is the intrinsic value; every purebred animal sold should possess intrinsic value, measured in ability to produce wealth commensurate with the price paid for her. If she does not, the purchaser is cheated. The fact is, however, that most purebred stock does come up to this standard.

The true criterion then, is not the registration papers or records, but individuality plus registration and records. An,outstanding individual means a secure foundation, something on which you can build safely; on the other hand, starting with a poor individual, you build as upon sand.

Time after time we have dwelt upon this subject in the World and the more we contemplate it, the sounder the counsel appears. We think we can see some change in the attitude of consignors and purchasers at auction sales, showing a leaning to this view; the consignors are more careful than formerly to offer good individuals and the purchasers pay more for them.

Breeders usually mate animals with intelligence; they breed up and not down and as a result many purebred herds average 10,000 and often 15,000 and even higher in pounds of milk a year and produce a profit of $100 or better, which is rarely if ever the case among grade herds. The intrinsic value of an animal is measured by its ability to get robust, heavy-producing offspring as well as by its own milking qualities. By this standard an animal's worth may be very great and still be in proportion to its value to produce wealth, which is its true worth.

Would not be without the World for twice the price.—R. E. Farrand, Sumner, Ia.

* * *

Quit guessing and follow facts and figures.

* * *

"Dairying's a great pursuit."

"I guess it is. That Black-and-White bull chases me every time I get over the fence."

The Sinton Herd of Holstein-Friesians

By Senior Editor, C. G. Brown.

Back in 1878 three Sinton Brothers left Ithaca, N. Y., and settled in Colorado. One of the brothers, a dentist, we believe located in Denver, Geo. H. and Melvin Sinton went to Colorado Springs and started in the dairy business. Today the Sinton Dairy Company furnish most of the milk supplied to Colorado Springs. Besides their own holdings the Company leases 5,000 acres from an English proprietor. At present the herd consists of some 500 head, mostly grade Holstein-Friesians.

Geo. H. Sinton and two sons conduct the retail part of the business, while Melvin Sinton is at the head of the Ranch Department. Geo. T. Sinton, son of Melvin, has acquired all the pure-breds and is conducting a separate herd, the milk being sold to the Sinton Dairy Co. at fifteen cents per gallon.

It was not until 1902 that the Company owned any pure-bred Black and Whites. These were purchased from Louis R. Ehrich of Colorado Springs, and were all imported stock. Geo. T. now has some 60 to 70 head largely descended from the original purchase, the majority of which are not yet of milking age.

Geo. T. Sinton is a young man, only 22 years of age, wide-awake and energetic, who has an ambition to own one of the best herds of Holstein-Friesians in the country. He certainly has a good start on the way to realize his ambition. He is optomistic and predicts that ten years will see pure-bred Black and Whites the dominant dairy cattle of the state.

In the present herd are some very excellent cows. One especially handsome cow is Abbebaker Beauty, No. 80739. Last year she produced 17,912 lbs. of milk, containing 644.83 lbs. of butter fat, equivalent to 806.037 lbs. of butter.

Another cow, Colette Baker 4th, 145297, in 8 mos. 4 days of her present lactation period, has produced 17,466 lbs. of milk, 655 lbs. butter..

Mercedes Pride Pietertje, as a two-year-old, in 9½ months has produced 14,075 lbs. milk.

Three cows in the herd, Abbekerk Beauty, Colette Baker 4th and Natsey Olt 2d, have produced in excess of 100 lbs. of milk in one day.

However, averages are what tell the story in herd production. In 1912, the 17 head in this milking herd, about two-thirds being heifers with first or second calf, gave an average yield of 12,183 lbs. of milk, and in 1914, 19 head at an average age of four years, gave an average yield of 13,260 lbs. of milk, 571.837 lbs. butter, 3.45 average per cent fat. The average cost of maintenance was $112 per cow, the average profit $140. per cow.

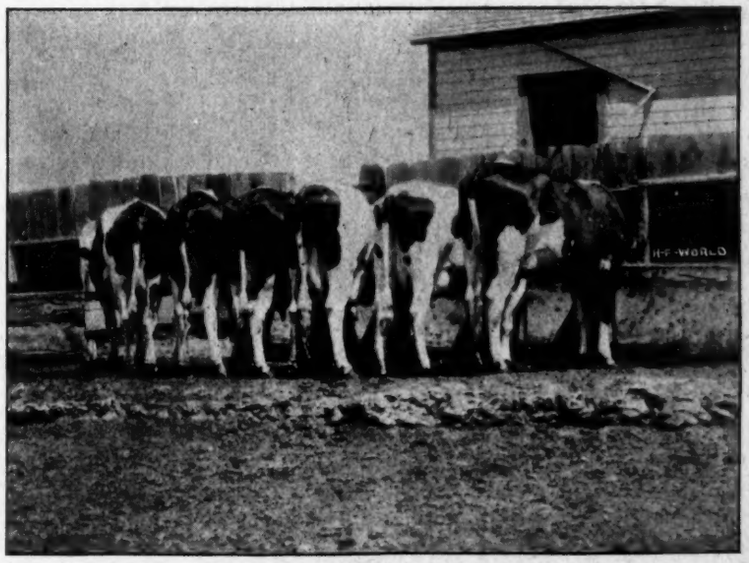
Here are figures which we think should cause the average dairy farmer, and many owners of pure-bred herds, to "sit up and take notice."

Even grade herds may be brought to a high state of production. We were told that the Sinton Dairy Company have owned three grade Holsteins that have each produced in excess of 100 lbs. of milk in a day; that the Company have sold grade cows for $200 each; that in recent sales 20 head averaged $166⅔, and 120 head averaged $135.

Mr. Sinton has some 40 head of young stock, mostly daughters of Woodcrest Butter Boy Pietje, a grandson of Sir Johanna Colantha Fayne. A bunch of these heifers have been reproduced from a snap shot of them taken at pasture. They are being bred to Sir Bessie Fayne Rose 132928, purchased from the Munroe Company of Spokane, Wash. He is a son of Jessie Fobes Bessie Homestead, the cow that made better than 34 lbs. of butter for three successive years, and is out of a 27-lb. daughter of Mooie Mutual De Kol by De Kol 2d's Mutual Paul and Pleasant Valley Kate. His granddam on dam's side was a daughter of Pearl of the Dairy's Joe De Kol that made 20.21 lbs. of butter at 12 years of age.

Another sire in use in this herd is Bairdland King Segis Posch. He was

GROUP OF PUREBRED HOLSTEIN-FRIESIANS AT PASTURE. PIKE'S PEAK IN THE DISTANCE.
Owned by Geo. T. Sinton, Colorado Springs, Colo.



AT THE WATERING TROUGH.
Owned by Geo. T. Sinton, Colorado Springs, Colo.

INSPECTING THE GEO. T. SINTON FORD CAR.

purchased of S. A. Baird & Son, Waukesha, Wis., and is by Sir Walker Segis and out of Ramona Vale De Kol, 24 lbs. in 7 days, 17,056 lbs. milk, 752.8 lbs. butter in semi-official annual test as a three-year-old.

In all dairy enterprises the feed problem figures prominently in the item of profits. On the Sinton ranch this problem is solved by the growing of alfalfa which constitutes the principal feed crop. This yields about three and one-half tons to the acre. When we visited the ranch we were shown a mow of old hay that looked as green as when first cut.

This ranch is located just out of Colorado Springs surrounded by some of Nature's most attractive features. The pure air, the vast sweep of this level plain, buttressed by the huge bulk of Scheyenne mountain, with the snow capped summit of Pike's Peak always in view, and you have an ensemble nowhere else duplicated. It is inspiring and invigorating.

We believe as time goes on our mind will magnify rather than diminish the beauty and grandeur of the scenery of this locality. The Garden of the Gods, Ute Pass, Sheyenne Canyon, the Seven Falls, and above all our semi-aerial trip to Cripple Creek are as vivid as when first experienced. Here's to Geo. T. Sinton, the Sinton Dairy Company, Colorado Springs and Colorado.

GOOD MILK AND HOW TO HAVE IT

Prepared for the Holstein-Friesian World by Dr. W. D. Frost, College of Agriculture, of the University of Wisconsin.

It is not always fully realized that milk, as it is produced in the udder of a healthy cow, is a pure food. The task of the milk producer having a healthy herd then is to get the milk as the cow gives it and keep it clean and cold.

The bacteria which make the milk spoil and render it unsafe for human food come from the dirt, or excrement, on the cow's flanks and udder, from the dust of the barn, from dirty, and

BLANCHE LYONS

The Greatest Producing Cow of the Breed Having Produced Three 30-Lb. Daughters and Four That Average Over 100 Lbs. of Milk Each in a Day.

BLANCHE DE KOL HENGERVELD is the **best daughter** of **BLANCHE LYONS** that made **33.19 lbs** of butter in 7 days from **688 lbs.** of milk and **118 lbs.** of butter in 30 days from **2842 lbs.** of milk,—milking as high as **110 lbs.** in a day.

We are offering a son of her daughter—**DUTCHLAND COLANTHA BLANCHE LYONS** (one of the **very best bred** daughters of **COLANTHA JOHANNA LAD) whose dam, Blanche De Kol Hengerveld** and sire's dam, **Colantha 4th's Johanna,** average over **34 lbs.** of butter each in 7 days and **108 lbs.** of milk each in a day. This heifer made 18 **lbs.** with **first calf** and is due to freshen again in February at which time we are looking for a **remarkable** record.

The sire of **DUTCHLAND CREAMELLE PRINCE LYONS** is **DUTCHLAND CREAMELLE KORNDYKE LAD,** backed by an average **yearly** production of over **26,000 lbs.** of milk and **1000 lbs.** of butter for **three direct generations** on the dam's side and sired by the **best bred** son of **Pontiac Korndyke,** from the **greatest producing** daughter of **Hengerveld De Kol.**

BREEDING CERTAINLY COUNTS AND IN THIS ANIMAL YOU ARE GETTING AS A RESULT OF OUR BEST EFFORTS—THE WORLD'S GREATEST COMBINATION OF PRODUCING FAMILIES!

IF IN NEED OF A HERD SIRE YOU SHOULD IMMEDIATELY MAKE UP YOUR MIND TO OWN DUTCHLAND CREAMELLE PRINCE LYONS!

Individually he leaves nothing to be desired,—he is nicely colored, being a little more white than black; is especially well grown and ready for **immediate use;** he was born December 11, 1914.

WRITE OR WIRE US TODAY FOR PEDIGREE AND PRICE ON THIS BULL!

We also have a son of **COLANTHA JOHANNA LAD** from a **27-lb.** dam that is ready for **immediate use** and one about 8 months old sired by **DUTCHLAND SIR PIETERTJE HENGERVELD** that we are **pleased to recommend.**

FRED F. FIELD HOLSTEIN CO.

DUTCHLAND FARMS

MONTELLO STA. **BROCKTON, MASS.**

unsterilized utensils, and from the person and clothes of the milker. Accordingly, it pays to have the milk producer keep clean. He should keep his cows clean, his barn clean, his milking utensils clean and sterile, and above all he and his help should be clean and healthy. It is not necessary to wear expensive clothes to milk in, but it is important that the milker should have clean clothes and, clean hands. It is not necessary that the milker should have small, white hands with tapering fingers, but it is necessary that his or her hands be clean. It is not at all essential that the dairy barn be architecturally perfect or the walls enameled and gilded, but all dairy barns should be plainly constructed, and free from unnecessary material. The walls and ceiling should be comparatively smooth, the floors, stall and mangers tight and sanitary and the room well lighted, and sufficiently large to furnish an abundant supply of air for the cows.

The most important thing is cleanliness. A clean barn, with clean cows, clean milker, and clean utensils, make clean milk.

To keep milk pure the producer must understand the meaning of cleanliness. He must know how to put this understanding into practice. Mr. or Mrs. Consumer can help him by letting him know that they understand what cleanliness means and that they are willing to pay the extra cost of producing a clean product. If the consumer and producer could get together and talk these things over the consumer would come to realize the real problems of the producer and the producer would be more reasonable and kindly disposed towards the consumer. The producer would keep his milk pure, and the consumer would better appreciate the value of a clean product.

YOUNG STOCK AT PASTURE ON GEO. T. SINTON RANCH.

Why Pasteurize?

In the process of pasteurization, milk is heated to a temperature sufficiently high to kill all disease producing bacteria without producing any changes in milk that could be detected by the senses, such, for example, as taste, smell or sight.

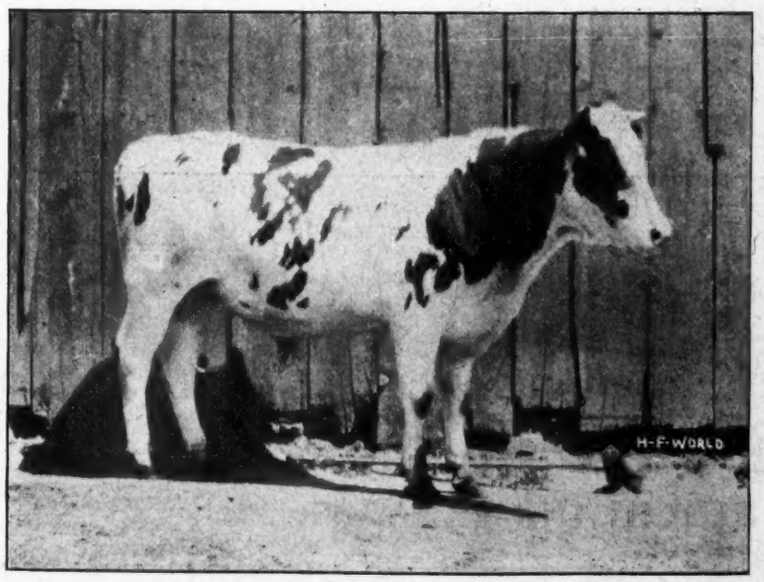
Not all bacteria are killed by this process, even when most carefully done. But those are killed which are capable of infecting the people who use the milk. It also kills the great majority of those bacteria which spoil or sour milk.

When the right temperature is used for the proper length of time, the bacteria remaining in the milk are harmless to man and produce only slow changes in the milk if it is is afterwards kept at a cool temperature.

The dangers from raw milk, (in the case of tuberculosis) come from the cow. This danger can be avoided either by using milk only from cows which are known to be free of the disease or by pasteurizing the milk. Raw milk from cows which have not been tested for tuberculosis is always dangerous and for children much more dangerous than it was formerly supposed to be. No one can justify his action, in this day and generation, in feeding young children raw milk from untested cows. All cows producing milk to be used for human food should be tuberculin tested. Where milk is not received from tested cows it should be pasteurized to prevent the ever present danger from tuberculosis.

The other reason why milk should be pasteurized is that in this way we can get the only absolutely safe milk. The reason for this is that typhoid fever, scarlet fever and diphtheria carriers may handle the milk and unknowingly infect it. The tuberculin test protects the consumer from tuberculosis but pasteurization protects the consumer from all danger and furnishes him with a perfectly safe milk.

This, of course, is true only when pasteurization is properly done, which, unfortunately, is not always the case. In order to kill all disease-producing bacteria in milk a temperature of 145 degrees F. should be secured and kept for half an hour. This is not always done. Sometimes, the same results are expected by heating to a higher degree for a shorter time. This process, however, is not advisable. What are called flash or instantaneous pasteurizers are sometimes used. The results from this class of machines are always unreliable. Furthermore, milks are sometimes properly pasteurized but afterwards subjected to the danger of infection by



SIR BESSIE FAYNE ROSE 132928.
Owned by Geo. T. Sinton, Colorado Springs, Colo.

careless handling, by hand bottling, by infected caps, or by unsterilized bottles.

Pasteurization should be encouraged, but carefully controlled. This is not an easy matter but recently devised methods give promise that this can soon be easily and quickly done.

Pasteurization should never be allowed for the purpose of "fixing up" or making salable a poor or dirty milk. But milk from tuberculin tested, healthy, clean cows, gathered and handled in clean surroundings and properly pasteurized is the safest milk that has yet been produced.

Home Pasteurization.

In case the housewife can not find a milk which is certainly safe, then what shall she do?

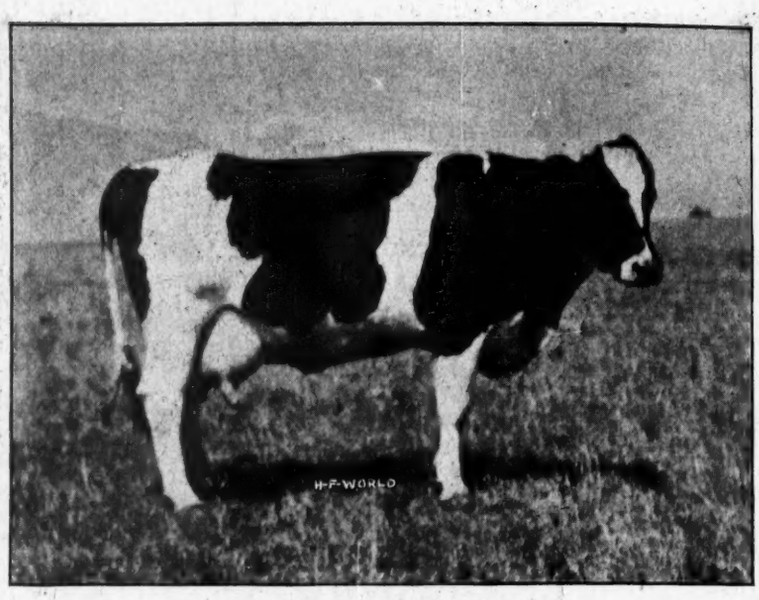
Under such condition the best thing to do is to get as good a milk as possible and pasteurize it in the home. This can be done without great difficulty.

If the milk is received in bottles pasteurize it in them, if not put it in bottles or fruit jars. Place them in a small pail or kettle with a false bottom made by inverting a pie tin in which a few holes have been punched. This will hold the bottles off the bottom, allow a circulation of the water, and prevent "bumping." Through the cap of one of the bottles a good thermometer should be passed. Cold water is then poured around the bottles as near to the top of the milk as possible. The pail or kettle should then be put on the stove or over the gas flame and heated slowly until the proper temperature is reached. This should not be lower than 145 degrees F. This temperature should be maintained for from 20 to 30 minutes. This can be done on the back of the stove or over a very low flame. The pail should be covered while it is standing with a towel.

After it has been heated for the proper length of time the milk should be cooled as rapidly as possible. To avoid breaking the bottles they should be put in warm water for a few moments and then into cold water and finally in as cool an ice chest as possible. When put aside the bottle should be tightly capped or if this is impossible it should have a cup or glass inverted over it. Pasteurized milk should be kept cool and used as promptly as possible since only the dangerous bacteria are killed and those left soon begin to grow slowly in the cold and faster and faster as the milk is allowed to warm up.

It should be remembered that bacteria, harmless in themselves and in small numbers, are undesirbale in large numbers.

If the milk is being pasteurized for a baby it should be placed in nursing bottles,—just enough in any one bottle for a feeding. For holding the necessary number of bottles a rack is best arranged, but otherwise the process can be carried out as described above. The milk should not be removed from the ice chest until immediately before it is to be used. If the milk in a bottle is warmed but not used it should be thrown out.



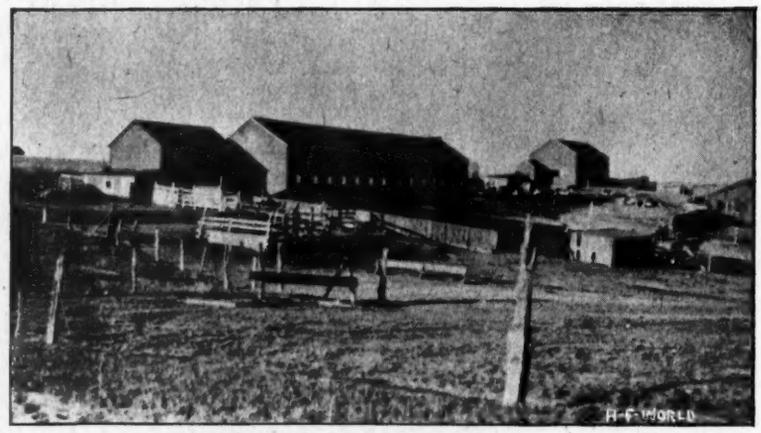
ABBEKERK BEAUTY 80739.
Butter 17.91 lbs.; milk 806.03 lbs. in 7 days. Owned by Geo. T. Sinton, Colorado Springs, Colo.

HOW TO COOL MILK TO KEEP IT SWEET.

Complaint is frequently made, in the hot weather, that milk is returned sour from the creamery or condensery. And no doubt, it is all the cause of carelessness. Milk, that is in the teats, when the milking is begun is much more alive with bacteria, which is the source of souring, than that which is subsequently milked. Therefore, when through milking, put the milk into a can, which is set in a tub of cold water, and immediately stir, and throw up the milk in thin sheets, thereby exposing the milk as much as possible to the air. Cool the milk down to 50 degrees F., this must be done soon after the milk has been drawn from the cows. After it has been cooled to this temperature, you may let it go up safely to 75 degrees and remain at this temperature as long as thirty-six hours (36), without souring. Warm milk, freshly drawn from the cow, should not be poured into cooled milk,, even in small quantities, as it will be certain to contaminate it to such an extent, that it will turn sour before the milk man reaches the creamery with it.

A. H. KOLBE.

Many deaths occur from measles and whooping cough in winter. Keep the children away from it.



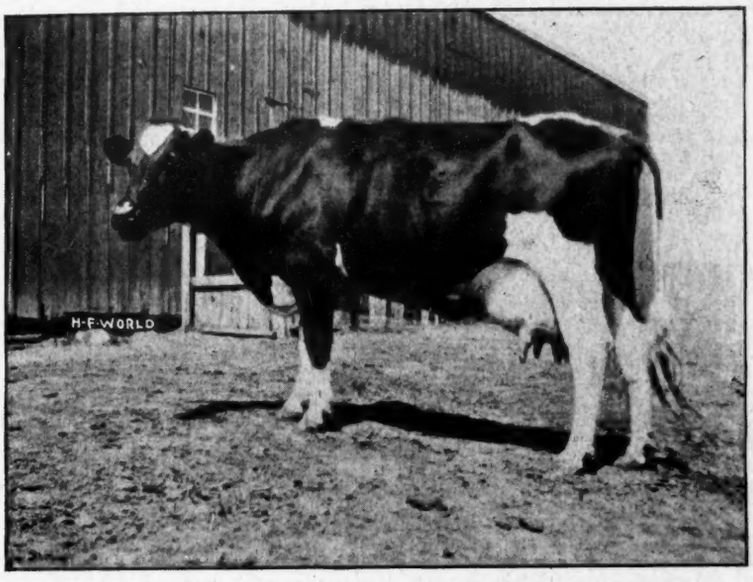
DAIRY BARNS ON THE GEO. T. SINTON RANCH.

SHOW POINTS OF A HOLSTEIN COW

What are the "show points" of a Holstein-Friesian cow? Well, that is something of a question as to who the judge is going to be. No animal will win first prize at all of the shows for the simple reason that the same man does not always act as judge. So let us see if we cannot reason the thing out among ourselves. In the first place, the Holstein-Friesian cow is a dairy animal. Some of her more ardent admirers go so far as to claim that she is a dual-purpose animal. But I think these men make a mistake. For when a Holstein cow possesses dual-purpose qualities she is not an ideal Holstein. You may rest assured that she is not so good a dairy animal as she ought to be, and I think that it would be better for her owners to keep her in the background, breed her to a bull of pronounced dairy type in the hopes of getting some heifers from her that lack her "dual-purpose" qualities, and veal her bull calves always.

I can see right now that we are going to get into trouble in this matter of the show cow. The judge likes to please the crowd, and the crowd likes a handsome, smooth animal with plenty of flesh, which of course makes graceful lines, and really a thing of beauty. Nature abhors sharp corners and ragged edges. She goes in for curves and plumpness every time. But the modern Holstein cow is not a natural thing. She is the result of man's working for a long time to change the course of nature and induce bossy to give milk enough to raise three or four calves, and keep it up long after the calves cease to need the milk. Man can change the works of nature, but he has to pay for what he gets every time. He can more fully develop one function, but it is always at the expense of some other function. That is the reason why a cow cannot be an ideal dairy animal and an ideal beef animal at the same time. If you will accept the foregoing as facts. I think we can now go about the job of analysing our Holstein show cow.

In the first place, she must eat a lot of food and for this purpose she must have a wide mouth with strong jaws. Here is a slap at the beauty idea right on the start. But the dainty, poor feeder will have the fine muzzle and the poorly developed jaw, and she is the cow we have no use for. If our cow eats a lot of food, it has to go somewhere. So she must have a lot of storage capacity. She must be of long body, deep and wide. Her ribs must be far apart—for a cow has only so many ribs anyhow, so if they form "slats" the length of her sides they must be placed a good way apart to reach. These ribs must also be well sprung; that is, they must be curved like a hoop. This, of course, makes more room for her several stomachs and other internal organs, not the least of which is the lungs. Then it is a pet phrase among writers on the dairy cow to say that she must be "wedge-shaped." That is all right if only the back is taken into consideration, but I am afraid that those who do not understand the meaning of the phrase sometimes take it to mean that the cow should be flat or "slab-sided." By wedge-shaped we mean that she should be very wide at the hips, because there is to be a tremendous udder hung between her hind legs, and those legs must be well spread to make room for it. Then her back should taper along to sharp, thin shoulder tops, because our cow carries no superfluous flesh, and nature has as usual asserted her authority and taken off from one end what we have added to the other. The neck will, of course, be thin also, but wide—or, should I say deep—next to the shoulders and tapering nicely to the union of the head. The throat should be clean and not show enlarged glands.



A GRADE COW THAT HAS PRODUCED OVER 100 LBS. MILK A DAY.
Owned by Geo. T. Sinton, Colorado Springs, Colo.

The legs should be neat of bone and moderately short. But I think we should not expect too much in the way of short legs. We want a long back, long neck, long ribs and a long tail. Now isn't it asking almost too much of Nature to give us all of these and then place stubby legs under our cow? Of course Nature can do it if she wants to, for she has the dachshund to prove it; but I think that few of us will maintain that the dachshund's legs add very much to his beauty, and we will not strive for that type of cow. The cow's back should be straight clear back to the tail setting. A sloping rump shows weakness, and not only this, but we almost invariably get poor forequarters of the udder, with the teats pointing towards the fore feet, with this type of back. The tail should be large at the base, and should taper nicely down to the end, which should reach the hocks or below. And I like to see a good heavy switch, too. As one of our best dairy authorities once said, "A cow that hasn't vitality enough to grow a switch isn't much good anyhow."

The udder should be very capacious, but very flexible. Avoid a fleshy udder. The quarters should be all well developed, and the front ones should extend well forward. The teats should be placed well apart, and point straight down, and of course they are better of medium size. The skin should be of medium thickness, but very soft and loose under the hand, and mellow. The hair should be fine, thick and of an oily appearance. Now this question of the skin is not a matter of beauty alone. It is the only outward indication that we have of the inside lining of mucous membrane of the cow, and of course this has much to do with her function as a milk producer. Other outward indications of the inside workings of the cow are her milk veins. The nourishment is taken from the food and poured into the arteries, and is taken down to the udder on the inside of the cow. The milk is secreted by the udder glands from this arterial blood,

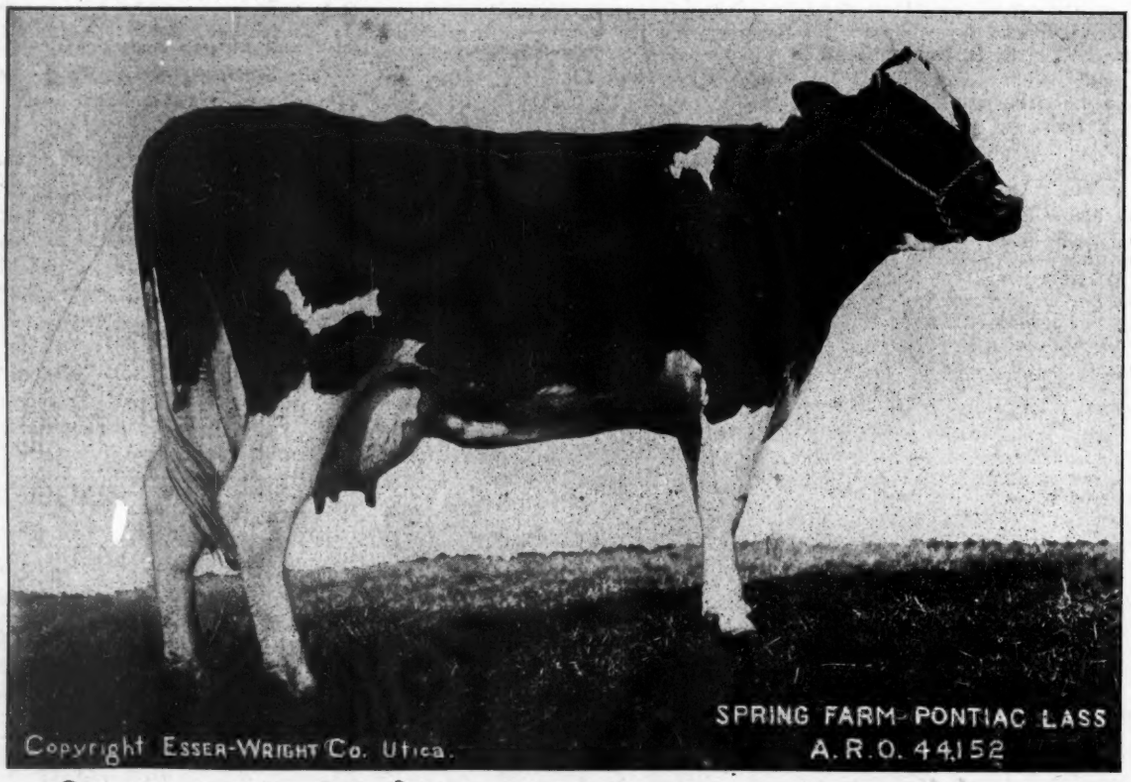
and then the "used up" blood, as we might say, is sent back to the heart through the milk veins. If these veins are elastic, large and tortuous, we conclude that a great deal of blood is being sent to the udder for milk extraction, because a great deal comes away from it.

I think that perhaps I have touched upon most of the really essential points, but there are a few "beauty marks" that will win favor. I like to see a pair of small black incurving horns. No horns at all are better than big, ill-shaped horns, and we sometimes have a suspicion that bossy might have had such horns before they were cut off. A large, full, placid eye helps mightily also. Such an eye shows not only health but a good disposition, which is very essential. It will profit you nothing, though your cow may give you 40 quarts of milk a day, if she kicks it all over you and the barn just before you arise from milking her. And but few men are so constituted that such conduct will not eventually tend to injure their good nature. Then the color really does make a difference. A Holstein-Friesian may be dark, but I like a nice big star or shield of white in the face, the legs all white, a good part of the tail, and, of course, the switch. Then if the belly is white, and that color extends well up around the flanks, we have a very prettily colored cow. On the other hand, if she be light, I like to have the sides of the head and neck black, leaving a nice strip in the face. A few big spots on the body help also, but I do not like a speckled one. Perhaps the best color is the evenly marked cow with big spots, with possibly the white a little in preponderance.—J. Grant Morse in Rural New Yorker.

FOLLOWING HIS FATHER'S FOOT-STEPS, SHOWED HIM THE ROAD TO SUCCESS.

One of the most enterprising and successful Eastern farmers is Mr. Harry Lippmann, of No. 915 Elton Street, Brooklyn, N. Y. He has worked up his twenty-year-old farm, from six Holstein-Friesians to forty-six, and from an old little shanty, to a large, modern, and up-to-date house. To a representative of the HOLSTEIN FRIESIAN WORLD, Mr. Lippmann related the following story of his success, "I have been in the farm, and cattle business for the past fourty-five years, was born in the Southern part of Illinois. It was my father's policy to raise prize Holsteins. By following the foot-steps of my father, I found the road to success. When I started my farm, I had but six Holsteins, and succeeded in breeding them until I had twenty-six. Recently I have added twenty more to my stock, and they are given proper care. I use electricity wherever necessary. After visiting an exhibition held at the Grand Central Palace in New York City, where there was shown a modern method of milking by electricity, and after giving this matter a thought, I installed one of those machines on my farm. I own and breed Holstein-Friesian cattle exclusively, as they certainly do produce plenty of good milk. Their butter is the best that any dairy cattle can produce. My pastures are covered with sweet clover, and I do not turn out my stock until the clover is at least six inches high. Then I have plenty of cattle grazing to keep it down to about four inches. In this way I have always good tender succulent forage. Stock prefer sweet clover to any other forage, after they get used to it, and are always fat, sleek, and healthy. Why not give them what they prefer, as long as results are better? After you have tried it, you will want your whole farm in sweet clover.—This is what I have done."

Another good hint for the Holstein-Friesian readers to heed is—Always keep the grass on the lawn about your farm house mowed, as it gives added attractiveness to the appearance of the place. Try to keep your pastures clean. By so doing you will have purer milk."



K. P. PONTIAC LASS.
44.178 lbs. butter in 7 days.

STAYING IN THE GAME

Tenacity is not the enthusiastic spurt of a few rounds. It is not the adopting of a resolution today, and then abandoning it tomorrow. It does not consist in swimming along speedily when the tide happens to be in your favor, and then quitting as soon as you strike a cross-current. It is not the starting out with a flourish, and then backing down as soon as you begin to sight obstacles.

Enthusiasm often implies strong excitement or feeling for a cause, and may be subject to wavering. Tenacity may be obscure, but it never flags. Enthusiasm arouses new emotions; tenacity directs the old. Guided by enthusiasm, life may have many goals. Guided by tenacity, it has but one, and all effort is bent toward that.

It was chiefly by tenacity that Grant won battles. Tenacity is what made Edison king of the mechanical world. Tenacity is the domineering quality of never giving up.

Breeders' Bulletin Board

O. L. Prindle, West View, Ohio, writes:

Our ad in the World is still bringing inquiries and sales.

Among the sales was that of a nice 2 yr. old heifer to Frank Konarski of Columbia Sta., O., as the foundation for a new herd.

Also a grandson of our cow that milked 102 lbs. in one day was recently shipped to Mr. S. B. Oakes, Little Hocking, Ohio.

This is an extra good calf. His dam was untested as she freshened in hot and disagreeable weather but milked well over 50 lbs. at two milkings as a 2 yr. old. We shipped a very nice calf to Mr. Wm. Koch, Lone Rock. Wis. and have received a letter from him stating that the calf arrived in very good condition and that he is better than we represented him to be. There is no limit to the ability of the Holsteins either to travel long distance by rail or by test.

C. P. Barker, Chippewa Falls, Wis., writes:

I have sold the young bull Prilly King Pontiac Johanna, that I have been advertising in the World, to Mr. Nels Hokenstrom who has a new layout near River Falls, Wis. Mr. Hokenstrom is very enthusiastic about the bull and expects to put in some purebred females this coming winter to mate with him.

Holstein-Friesian World:

That well known breeder, M. S. Nye of Preble, N. Y., will disperse his herd of high-class cattle March 21st and 22d next in the same sale as the Abbott-Dunham-Vandervort herds. Evidently the owners of these herds intend to draw buyers from all parts of the country for such a sale will eclipse anything hithertofore heard of. The Nye herd is composed of producers and consists of animals whose dam and ancestors have been raised and developed in the herd, animals whose appearance in show rings and consequent winnings are familiar to all informed on the Breed. Please add this name to the others as given in your sale date calendar.—Holstein Sales Company, G. H. Truckell, Sec.

Pabst Stock Farm, Oconomowoc, Wis., writes:

We have finished some nice records recently:

Edith De Kol Burke Hengerveld No. 127664 made 33.86 lbs. of butter in 7 days. This seven year old cow has made three records that average 31 lbs. of butter in seven days; she has two semi-official butter records and has given birth to six calves. She is a daughter of De Kol 2d Butter Boy 3rd, and from a daughter of De Kol Burke.

Pabst Ormsby Dora Korndyke No. 171833, a 3½ year old grand daughter of King Pontiac Champion made 25.22 lbs. of butter in seven days.

Pabst Blue Star No. 195590, a 2½ year old daughter of King Pontiac Champion, made 19.36 lbs. of butter in 7 days.

We have some more 2 year old heifers on test which are going at a 20 lb. rate. and have forty daughters of King Pontiac Champion and Maplecrest King De Kol to be tested with first calf the coming winter.—Pabst Stock Farm.

H. C. Swartout, Terracelawn Farm, Hartwick Seminary, writes:

It is hard to tell all the good points of a bull in an advertisement, and that is the case with the one advertised in this issue. Terracelawn Farms have produced few that could surpass this fellow in quality, the kind that make real herd sires. First, he is a grand-son of the great King of the Pontiacs, with 162 A. R. O. daughters, including the only 44-lb. cow, 6 heifers making 30-lb. with second calf, and 28 20-lb. two-year-olds. His sons have produced three thirty-lb. cows, and head more high-class herds today than the sons of any other sire.

The dam of the youngster is wonderfully well bred. Her sire Pietertje Hengerveld Segis, has 57 A. R. O. daughters, one with 30.02 and a large number of two-year-olds to be tested this winter, which will increase this list considerable. Her dam has a record of 24.46 lbs. at 4 years and her dam has 21 lbs. fat at 11 years. Concerning the dam of the heifer too much cannot be said. She has a 32-lb., a 24-lb. three year old and a 19-lb. 4 year old daughter. She has 44 A. R. O. sisters, one with 29.74 lbs. She is a granddaughter of Manor De Kol, the sire of Butter Boy 3rd, and Aaggie Grace 2nd's Pietertje, the first cow to produce 100 lbs. milk in one day.

REPORT OF THE SALE AT EARLVILLE, N. Y., NOV. 17 AND 18.
Animals Selling Above $100 Being Listed
Consigned by O. S. Langworthy, Hamilton, N. Y.

Name of Animal.	Purchaser.	Price.
King Paul Senora,	Wilcox & Seaton, Earlville, N. Y.	$170
Lillian Senora Hamilton,	H. F. DuPont, Winterthen, Del.	135
Matador Concordia Hamilton 2d,	F. B. Davis, Deerfield, N. Y.	140
Prilly Kuperus,	A. A. Hartshorn Holstein Co., Hamilton, N. Y.	310
Prilly Pietje 2d,	H. F. DuPont, Winterthen, Del.	325
Sjoerd Minnette Hamilton,	H. F. DuPont, Winterthen, Del.	235
Consigned by A. L. Kessler, Brandt, Pa.		
King Silver Coin Pietertje 2d,	A. T. Shelton, Guilford, N. Y.	100
Delima Daisy,	James Male, Solvay, N. Y.	110
Bessie Deleware 2d,	James Male, Solvay, N. Y.	155
Deoima Daisy Duplicate,	S. P. Reitz & Son, Morrisville, N. Y.	120
Foekje Wit Queen Burke 2d,	R. E. Melvin, Liverpool, N. Y.	220
Gladys Veeman,	Geo. J. McComas, Barbersville, W. Va.	140
Shadeland Milly De Kol Countess,	A. A. Hartshorn, Hamilton, N. Y.	120
Sadie Princess Korndyke,	R. C. Melvin, Liverpool, N. Y.	165
Queenie Burke,	R. C. Melvin, Liverpool, N. Y.	100
Wimpje Beets Korndyke,	Homer Collins, Earlville, N. Y.	145

PURE BRED HOLSTEIN-FRIESIANS.
Owned by J. H. Barnard, Husted, Colo.

Pleasant Hill Herd

Consignment to the

DAIRYMENS' SALE

at Rochester

I am consigning the best young bull that ever left my herd. He was born in June, is a fine individual, light in color.

Sire:—Sir Veeman Hengerveld, 70 A. R. O. daughters, eight of them above 30 lbs. His entire list average 22.5 lbs. butter at 3-yrs. 11-mo.; the average test being just under 4 per cent. This is a world's average, for no other sire of sixty or more A. R. O. daughters can make an equal showing for both butter and milk. The butter record is the highest for any sire of 60 or more A. R. O. daughters and the milk average is second highest.

40.6% of his daughters have records above 25 lbs.
18.46% are above 29 lbs.
12.3 % are above 30 lbs.

Sir Veeman Hengerveld has some fine young daughters coming on, and believe that his number of 30 lb. daughters will be doubled in the course of two or three years.

The dam of the young bull is K. K. S. V. Kate Pontiac—A. R. O. record at 2-yrs. 5-mo. Butter 26.15, Milk 393.

As her name indicates, she is sired by King Korndyke Sadie Vale, see center page for work of his daughters.

Her dam is in test now as a 4-yr.-old and has now over 25 lbs. to her credit and believe will go higher, and a very promising candidate for 30 lb. record in the future. The next dam a 30 lb. daughter of Sir Veeman Hengerveld. Get a catalogue and study his pedigree. It would be hard to make a better pedigree, and the calf is just as good as his pedigree.

Among the other good things in my consignment are three daughters of Sadie Vale Sir Ormsby, who is own brother to Sadie Vale Concordia 4th 41.06 lbs. butter in 7 days, 163 lbs. in 30 days.

One of these, "Princess Robsart Ormsby" has 25 lb. 3-yr.-old record and is heavy in calf to King Korndyke Sadie Vale. Another one safe in calf to Sir Veeman Hengerveld, and the third one is now in test making a good record.

Three young cows safe in calf to one of the best sons of Sir Veeman Hengerveld. These cows are the kind that you can take home and they will improve on your hands.

A Son and Daughter of Sir Korndyke Pontiac Artis, who now has 45 A. R. O. daughters, all with large records for their age.

The son is from 21 lb. daughter of Sir Veeman Hengerveld, a combination of breeding that has produced great results.

W. D. ROBENS

Pleasant Hill Herd

Poland New York

A Third 26-Lb. 2-Yr.

FOR

KING KORNDYKE

KING KORNDY SAD

His first 6 average at 2 years, 4 months—B 7 d

All six have records above 22 lbs.

Following is his entire list to freshen to date:

K. K. S. V. Cora, 2 year mos.
K. K. S. V. Edith Ve 2
K. K. S. V. Kate Ponti yrs.
K. K. S. V. Lola Henge 2
K. K. S. V. Florence V 2
Daisy Veeman Sadie Va yrs.,

No other sire ever approached this showing his fi

No other sire that ever lived has three two-yea da age of less than 2½ years.

No other sire, from the standpoint of breedin an a the only 41-lb. cow having a 38-lb. daughter, is h f a Concordia.

His sire, the only bull of the breed to have a fou and Pontiac De Kol 2nd, the first 37-lb. cow.

His three nearest dams, and a daughter each is proached showing.

Few other sires are having the opportunity is b young sons and daughters that are coming on w ear both with respect to individual promise and inh d tr

Approved cows will be accepted for service. e fo

W. D. Robens

Pleasant Hill Herd

Poland, N. Y.

JOINT O N

o. 2-Yr.-Old Daughter

FOR

DYKE SADIE VALE

KORNDY SADIE VALE

nths—B 7 days .....24.44 lbs.

to date:—

, 2 year mos. 26.62
lith Ve, 2 yrs., 7 mos...26.29
e Ponti yrs., 5 mos. 26.15
Henge, 2 yrs., 10 mos..23.25
rence V, 2 yrs., 0 mos...22.29
adie Va yrs., 2 mos.....22.05

howing his first six daughters.

two-yea daughters each above 26 lbs., at an average

breedin n approach King Korndyke Sadie Vale. His dam, ter, is h f a daughter of the first 30-lb. cow, Sadie Vale

have a four-year-old daughter, is a son of King Segis w.

ter each his sire and dam, average 37.54 lbs.—an unap-

rtunity is being given King Korndyke Sadie Vale. His g on w ear comparison with the get of any other sire— and inh d transmitting power.

rvice. e for terms.

T OWNERS

Quentin McAdam
Brothertown Farms
Utica, N. Y.

Brothertown Farms

Home of

King Korndyke Sadie Vale

(See middle of these two pages)
and his famous sire,

King Segis De Kol Korndyke, 56110

The only bull of the breed having a 40-lb. four-year-old daughter. His 45 A. R. O. daughters include:

Mabel Segis Korndyke, 4 yrs. 40.32
Butter 30 days 165.27
(World's Records)
Abbekerk Korndyke Segis 5 yrs. 30.42
Pietertje Segis Korndyke 4 yrs..... 25.82
King Segis De Kol Korndyke Duchess 3 yr... 24.44
And a number of 20-lb. two-year-olds, as well as a wonderful lot of heifers that will be heard from.

He is a son of King Segis and the first 37-lb. cow, Pontiac Clothilde De Kol 2d, who was also the first cow of any age or breed to produce 1,000 lbs. of butter fat in a year. King Segis De Kol Korndyke combines in the closest degree the blood of King Segis, Pontiac Korndyke, and Hengerveld De Kol.

Eleven 30-lb. cows have been developed in the Brothertown Herd (including the first 30-lb. cow of the breed), eight of the number being members of the herd at present. The records of the eight average 33.72 lbs. This includes Sadie Vale Concordia 4th Pietje (38.44 lbs.). This mother and daughter last spring accomplished the hitherto unheard of feat of winning first and second prizes in the mature class for both seven and thirty days.

The point is that Brothertown Holsteins are producers—they make good—and important consideration in the selection of a herd sire.

SPECIAL OFFERING OF BULLS

Sons of the $15,000 son of the 44-lb. cow, out of good daughters of King Segis De Kol Korndyke.

Beautiful youngsters—priced to sell.

QUENTIN McADAM, Prop.

Utica, New York

BREEDERS' BULLETIN BOARD

(Continued from page 2415.)

This bull would be a money-maker for anyone, and it is to be hoped that he will have an opportunity to show his worth.

———o———

R. E. Chapin & Son, Batavia, N. Y., write:

Among recent sales that have been made from Bonalevo Farms are several King Quality bulls and also several heifers bred to him.

Mr. Geo. R. Morgan of Oakfield, N. Y. secured a very nice son of King Quality out of a 21 lb. granddaughter of De Kol Hengerveld Burke. The dam is an especially fine dairy cow being a heavy and persistant milker the year around. In addition to her seven day record she has a thirty day record of over 84 lbs. of butter and nearly 2100 lbs. of milk. We are sure that this will prove a very profitable bull in Mr. Morgan's herd.

Mr. J. H. Schmelzle of Cowlesville, N. Y. chose King Quality Mercedes who is a son of King Quality and out of a 23.7 lb. daughter of Sir Clyde. The dam also has a thirty day record of over 94 lbs. of butter and 2015 lbs. of milk. She is a sister to the 31 lb. cow Urmagelsche 2d'sA who is dam of both a 31 lb. and a 35 lb. daughter. Mr. Schmelzle has a fine herd of Registered Holsteins and already has several granddaughters of King Quality. This calf is an unusually nice individual being a show bull, and we believe that Mr. Schmelzle's herd will be one of the best herds in his locality.

Mr. Jerome F. Choat of Clarence, N. Y. was also a recent visitor to our farm and before leaving purchased two heifers in calf to King Quality.

We now have nearly sixty daughters of this sire in our own herd and the 2-yr.-olds which already freshened show dairy qualities which one would not expect to find except on mature cows. His daughters are individuals of the finest type and it is our belief that King Quality is going to make one of the greatest transmitting sires of the breed.

———o———

Hastings & Prescott, Lacona, N. Y., write:

Readers of the World will be interested in learning of the great showing being made by the first daughters of Rag Apple Korndyke 8th, the famous $25,000 son of the first 38-lb. cow. Mr. Oliver Cabana, Jr., his owner, advises that three of his 2-yr.-old daughters have already made records of 20, 21 and 22 lb., two of these being made outside the Pine Grove Herd, and thus winning $200.00 each of the $12,000 in cash bonuses offered by Mr. Cabana to owners of daughters of this bull. The first ten 2-yr.-olds making over 20 lb. will each draw $200, and the first ten to make 30 lb., $1,000.00 each. Thus $11,600 of the total amount is still to be awarded, and the two daughters of Rag Apple Korndyke 8th to be sold in the Dairymen's Sale at Rochester, N. Y., Dec. 17 are both eligible to their share of this prize money. That they have a right to be worthy of it will be seen by an inspection of their pedigrees on the dam's side, one being from a 28.75-lb. 3-yr.-old daughter of Pontiac Korndyke, and the other from a 27-lb. cow

EARLVILLE, N. Y. SALE.

(Continued from page 2415.)

Consigned by Geo. W. Berry, Poolville, N. Y.

Beauty De Kol Milly, R. D. Lee, Cazenovia, N. Y..... 110

Consigned by C. J. Coyle, Earlville, N. Y.

Georgie De Kol Countess, C. H. Boos, Sherburne, N. Y..... 135
Golda Coye Hamilton, R. D. Lee, Cazenovia, N. Y..... 110

Consigned by Rufus C. Wells, Norwich, N. Y.

Blanch Butter Queen, R. C. Melvin, Liverpool, N. Y..... 150
Pauline Clothilde Veeman, Stevens Bros. Co., Liverpool, N. Y..... 170

Consigned by Estate of Isaac Dairymple, Otselic, N. Y.

Neta Mapleholm Korndyke, A. L. Shelton, Guilford, N. Y..... 135
Nina Mapleholm Korndyke, Homer Collins, Earlville, N. Y..... 145

Consigned by John Parsons, Earlville, N. Y.

Duchess Elsie Korndyke, Geo. J. McComas, Barbersville, W. Va..... 120
Duchess Jennie Korndyke, James Male, Solvay, N. Y..... 110
Ilion Butter Girl, S. P. Reitz & Son, Morrisville, N. Y..... 120
Queen Ann Pietertje 2d, F. B. Davis, Deerfield, N. Y..... 165

Consignor.

Hazelhurst Burke, Stevens Bros. Co., Liverpool, N. Y..... 150
Hazelhurst Hamilton, J. Iceland, Hamilton, N. Y..... 145
Hazelhurst Onyx, J. Iceland, Hamilton, N. Y..... 145

Consigned by Woodmont Farms, Morrisville, N. Y.

Lady Wayne Walker, R. C. Melvin, Liverpool, N. Y..... 160
Wayne Walker De Kol, R. D. Lee, Cazenovia, N. Y..... 160

Consignor.

Woodmont Butter Girl Duchess Boon, H. F. DuPont, Winterthen, Dele. 105
Woodmont Duchess Netherland De Kol, H. F. DuPont, Winterthen, Del. 150

Consigned by E. D. Billings & Son, Earlville, N. Y.

Lady Dutchland Atrida Korndyke, D. N. Hart, Cazenovia, N. Y..... 135
Sadie Netherland Hengerveld Paul 3d, H. F. DuPont, Winterthen, Del. 140
Sadie Netherland Pietje 2d, H. F. DuPont, Winterthen, Del..... 140
Sadie Hengerveld Pontiac, H. F. DuPont, Winterthen, Del. 140
Sadie Jarie Pietje, C. H. Boos, Sherburne, N. Y..... 170
Sadie Netherland Colantha 2d, D. N. Hart, Cazenovia, N. Y..... 140
Maplehurst Netherland Pietje, D. N. Hart, Cazenovia, N. Y..... 200

Consigned by Homer Collins, Earlville, N. Y.

Collins Farm Marjorie Daw, D. N. Hart, Cazenovia, N. Y..... 225
Princess Rosalia Clothilde 3d, Geo. J. McComas, Barbersville, W. Va. 170

Consigned by C. K. Record & Son, Peterboro, N. Y.

Lord Vaughn Spofford, Homer Kentfield, Bainbridge, N. Y. 105
Clothilde Vaughn Cornucopia, Geo. J. McComas, Barbersville, W. Va. 135
Prilly Aaggie Vaughn, R. D. Lee, Cazenovia, N. Y..... 140
Urma Maid Burke, R. D. Lee, Cazenovia, N. Y..... 150

Consigned by W. E. Lamb & Sons, Hubbardsville, N. Y.

Unnamed, E. B. Hitchman, Norwich, N. Y. 195
Betsy Lamp Prilly, H. M. Dunham & Sons, Marcellus, N. Y..... 255
Susan Lamp Prilly, J. E. Vangelden, Owego, N. Y..... 190
Clover Beryl De Kol Countess, F. B. Davis, Deerfield, N. Y..... 180
K. P. C. Lilith Goudgeld, C. H. Boos, Sherburne, N. Y..... 120
K. P. C. Butterfly Beets, Stevens Bros. Co., Liverpool, N. Y..... 200
K. P. C. Pel De Kol and Calf, E. B. Hitchman, Norwich, N. Y..... 430

Consigned by S. B. Burchard, Hamilton, N. Y.

Pel De Kol Gelsche, D. N. Hart, Cazenovia, N. Y..... 165
Hamilton Belle Hengerveld, Geo. P. McComas, Barbersville, W. Va.. 120

Consigned by Robert B. Roberts, Morrisville, N. Y.

Robert B. Roberts, Morrisville, N. Y., Thos. Davis, Morrisville, N. Y. 140
Louise Hengerveld Burke, R. C. Melvin, Liverpool, N. Y..... 150
Lina May De Kol, Thos. Davis, Marrisville, N. Y..... 135
Female, H. F. DuPont, Winterthen, Dele..... 140

Consigned by Fay & Cloyes, Earlville, N. Y.

Fay & Cloyes, Earlville, N. Y., Homer Collins, Earlville, N. Y..... 280
Rouble Maplecroft Butter Girl, D. H. Hart, Cazenovia, N. Y..... 270
Janie Netherland De Kol 2d, John R. Jones, Morrisville, N. Y..... 255
Eusebia De Kol Burke 2d, Geo. Abbot, Cortland, N. Y..... 455
Etta De Kol Netherland 2d, James Male, Solvey, N. Y..... 110
F. & C. Lady, D. N. Hart, Cazenovia, N. Y..... 140
F. & C. Eusebia, H. F. DuPont, Winterthen, Dele..... 270
Nonpareil Altoana Lady Pell, J. Grant Morse, Hamilton, N. Y..... 115
Nonpareil Altoana Ruble, H. F. DuPont, Winterthen, Dele..... 140
Female, J. Grant Morse, Hamilton, N. Y. 115

Consigned by A. L. Shelton, Guilford, N. Y.

Lilith Beryl De Kol Pauline 2d, James Male, Solvay, N. Y.

Consigned by John W. Jones

Nancy De Kol Susie 2d, James Male, Solvay, N. Y..... 115
Thalma, R. D. Lee, Cazenovia, N. Y..... 110
Nellie De Kol Hengerveld Julia, James Male, Solvay, N. Y..... 100
Daisy Carrie Highlawn, John R. Jones, Morrisonville, N. Y..... 100
Nancy De Kol Carrie 2d, James Male, Solvay, N. Y..... 125
Susie Carrie Hengerveld Johanna, James Male, Solvay, N. Y..... 110
Dolly Pauline Johanna De Kol, Geo. J. McComas, Barbersville, W. Va. 125
Julia Butter Girl, John R. Jones, Morrisville, N. Y..... 1600

Consigned by Bellinhurst Stock Farm, Thos. Davis, Prop., Morrisville, N. Y.

Dabush Korndyke De Kol, James Male, Solvay, N. Y..... 145
Dabush Korndyke Pledge, R. D. Lee, Cazenovia, N. Y..... 165

Consigned by Russel Farms, Hamilton, N. Y.

Female, H. M. Dunham & Sons, Marcellus, N. Y..... 165
Princess Keyes Pietertje, James Male, Solvay, N. Y. 120

that has produced another daughter, by a sire of far less merit, with a 29-lb. 4-yr.-old record. These heifers are consigned by Martin Huey, who also consigns a daughter of King Segis Pontiac, out of a daughter of King of the Pontiacs, making her a ¾ sister to the $50,000 bull, King Segis Pontiac Alcartra; also a daughter of King Colantha Clothilde, from a 25-lb. dam and a daughter of the 32.9 lb. sire, Beauty Pietertje Butter King Jr. Mr. Huey, however, is not the only one of the consignors to this sale who is putting in outstanding animals, for all seem to be working on the theory that the public sale is the best place to market high class stuff, while the inferior animals are a positive detriment, not only in the way they advertise the herd, but in the prices they bring.

Thus R. M. Stone & Son put in three daughters of their herd sire, King Lyons 3d. and the son that won Junior Championship at the New York State Fair in 1915. W. D. Robens consigns a 4-yr.-old daughter of Sadie Vale Sir Ormsby, due sale day by King Korndyke Sadie Vale. She has a 25-lb. 3-yr.-old record made last year. Also a daughter of Sir Korndyke of Sir Korndyke Pontiac Artis, and perhaps best of all the son of the 26-lb junior 2-yr.-old, K. K. S. V. Kate Pontiac. This youngster is a son of Sir Veeman Hengerveld, while his dam was by the 41-lb. sire, King Korndyke Sadie Vale, and from a 20-lb. 2-yr.-old daughter of Sir Korndyke Pontiac Artis; next dam a 30-lb. 4-yr.-old daughter of Sir Veeman Hengerveld; fourth dam a 25-lb. cow with two 30-lb. daughters, and 3 averaging over 30 lb.; and the fifth dam a 22.9-lb. cow with 5 A. R. O. daughters, one 30-lb.

Jabez Smith & Son consign a 23-lb. daughter of their famous 31-lb. cow, Roxie Pauline De Kol Posch, who produced over 100 lb. milk in a day; also a 22-lb. daughter of Sir Veeman Hengerveld, who now ranks with the greatest sires of all time. Among other good ones in this consignment are a 23-lb. granddaughter of Hengerveld De Kol, granddaughters of King of the Pontiacs, Pietje 22d's Woodcrest Lad and Sir Korndyke Pontiac Artis, and five daughters of Katie Butter Boy Paul, who was by one of the best sons of De Kol 2d's Butter Boy 3d, and from the same dam as Messrs. Smith's former world's champion in the "eight months" division, Katie Pietertje Paul 5th.

Montezuma Farm puts in a select consignment, the leading features of which are two daughters of the 35-lb. sire, Fairmont Spofford Pietje, he being by Pledge Spofford Calamity Paul, and from the former world's champion 4-yr.-old, Fairmont Zerma Segis Pietje (35.61 lb.)

W. S. Hinchey consigns daughters of his senior herd sire, Hengerveld Butter Boy De Kol (one of the best sons of Hengerveld De Kol); also daughters of Homestead Girl De Kol Sarcastic Lad and De Kol Hengerveld Burke. Brown Brothers send thirteen head consisting largely of daughters and granddaughters of Pontiac Korndyke and Korndyke Queen De Kol's Prince.

If space permitted we could continue this account of the good things to be offered. As this is to be but a one-day's sale, readers of the World will be able to judge for themselves as to the high character of the entire number of offerings, for we have mentioned enough good ones to use up the best part of a day in selling, and we have just brushed over the surface of the attractions.

WHITE SCOURS

Save New Born Calves

This disease often takes its deadly toll within 24 hours, often before the calf is considered seriously sick—**and frequently before it is possible to obtain treatment.**

There is nothing more vitally important for you to have on hand than **CURA-BOS**, a proven successful remedy for curing the disease.

CURA-BOS also prevents White Scours or calf cholera. One use **CURA-BOS** and you will never be without it.

Treatment with **CURA-BOS** requires NO cooking, special foods, nor arduous methods of feeding. It is easy to give and quickly effective.

CURA-BOS is beyond an experiment. If you are in doubt, write for the names and testimonials of the best known breeders of pure bred Holsteins is America who depend absolutely and safely on this successful remedy.

If you expect new born calves, don't fail to send for a bottle or write for further particulars.

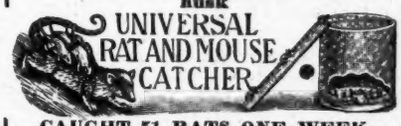
TWO SIZES $1 AND $2 PER BOTTLE

TROY CHEMICAL CO.

78 Commerce Ave., Binghamton, N. Y

Manufacturers also of Save-the-Horse Remedies. **Book Free.**

Rats and mice eat the meat out of oats and corn and horses get the husk



CAUGHT 51 RATS ONE WEEK

12 one day in one Trap; resets itself, catches daily, always ready, lasts for years; 22 inches high; can't get out of order; when rats and mice pass device they die. Cheese is used, doing away with poisons. One sent prepaid on receipt of $3. Mouse Trap, 10 inches high, $1.00. Money back if not satisfied. Rats are disease carriers. These Catchers should be in every school building.

H. D. SWARTS
Inventor and Manufacturer
Box 566, SCRANTON, Pa.

Another Big Bargain!

A royally and popular bred 8 months old son of the great KING SEGIS PONTIAC COLUMBO, three-fourths brother to the $50,000 bull and stable mate to RAG APPLE KORNDYKE 8TH, the greatest bull in the world.

His dam is a half sister to the present champion cow of the world, K. P. Pontiac Lass, with her wonderful record of 44.18. She is a heavy producing daughter of the great King of the Pontiacs, with her 25.36-lb. 3-yr.-old record and is one of the best 30-lb. prospects in our herd.

This young bull is perfect in confirmation, seven-eighths white, nicely marked, and we will sell him for $600. He is a real snap and is easily worth twice this figure. Write for extended pedigree and picture. atisfaction absolutely guaranteed.

PINE GROVE FARMS

Oliver Cabana, Jr. Elma Center, N. Y.

PUBLIC SALE CALENDAR

Dec. 1—Center Valley, Pa., Dispersal of of Home Farm Herd.

Dec. 10—North Portland, Ore., Pacific Inter-national.

Dec. 17—Rochester, N. Y., Dairymen's Sale, Hastings & Prescott.

Jan. 17-18—Syracuse, N. Y., Liverpool Sale & Pedigree Co's. 9th Consignment sale.

Jan. 19-20—Earlville, N. Y., Liverpool Sale & Pedigree Co's Second Earlville sale.

Jan. 25—Nebraska Holstein Breeders' Sale at South Omaha, Neb. E. M. Little, Clarks, Neb., Mgr.

Mar. 21-22—Syracuse, N. Y...Dunham-Vandervort-Abbott-Nye Dispersal.

Apr. 17-18—Syracuse, N. Y., Liverpool Sale & Pedigree Co.

Apr. 27-28—Fayetteville, N. Y., W. C. Hunt Dispersal.

June 8-9, 1916—Detroit, Mich., Western Breeders' Consignment Sale Co.

Nov. 29—Dispersal Sale, Nazareth, Pa. Somerset Holstein Breeders Co., Somerville, N. J.

Dec. 1st—Gobleville, Mich. Regular Holsteins at Auction. C. H. Giddings.

Dec. 7-8th—1st Newark Sale, Newark, Ohio. Liverpool Sale & Pedigree Co., Liverpool, N. Y.

Dec. 15-16—Combination sale of Holsteins, Madison Square Garden, Fasig-Tipton company.

Jan. 12-13, 1916—Syracuse, N. Y. State Breeders' Sale Co.

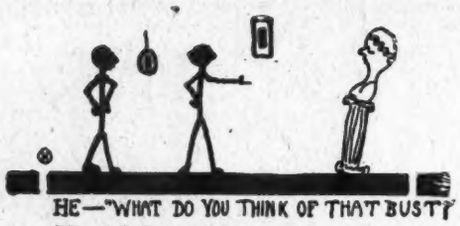
KING OF THE BLACK AND WHITES,

The bull whose seven nearest dams average over 31 lbs. One son from Lockhart Neta, No. 106146, butter 26.23 lbs. in seven days, born March 7, 1915. One son from Lockhart Hengerveld, No. 114854, butter 23.24 lbs. 7 days, as a Sr. 2 yr. old, born March 2, 1915. Will soon be ready for service. For sale cheap, quality considered.

If interested, write.

LOCKHART HOLSTEIN FARM

SOLSVILLE, N. Y.



HE—"WHAT DO YOU THINK OF THAT BUST?"
IT—"I THINK IT WILL."

And The Cook is a Bear

"Every one in our family is some kind of animal," said Jimmie to the amazed preacher.

"Why, you shouldn't say that!" the good man exclaimed.

"Well," said Jimmie, "mother's a dear, the baby is mother's little lamb, I'm the kid and dad's the goat."—*Ladies' Home Journal.*

* * *

Maud and the Aeroplane

Maud Muller, on a summer's day,
Was in the meadow raking hay.

She always had enjoyed good health,
But had a hankering for wealth.

Her cheeks were red, her eyes were brown;
She longed to live in the far-off town.

She wished she might be richly dressed
And circulate among the best.

The judge came sailing up the lane
Upon his nice new aeroplane.

Below him he beheld the maid,
And tried to stop, and swooped and swayed.

He ripped a top rail from the fence,
And talked as if he had no sense.

The engine got beyond control,
The judge lost his immortal soul.

Maud stood there with a sickly grin,
Until he hit her with a fin.

"My Lord" she yelled, and ducked away;
The judge lit on a pile of hay.

She hurried where the spring gushed up
And filled her little old tin cup.

At first she thought the judge was dead,
But she splashed the water on his head.

He looked upon his aeroplane
And said some things that gave Maud pain.

At last he rose and, with a frown,
He started for the distant town.

Then bringing himself to a halt,
He said: "This, girl, is all your fault.

"If you had not been raking here,
I'd have stayed in the atmosphere.

"You've cost me dear and spoiled my sport;
I'll fine you for contempt of court!"

He then went onward up the lane,
And Maud returned to work again.

She gazed upon his wrecked machine,
And said: "Alas, what might have been!

"Ah, well, in heaven we'll all have wings,
And not depend on such fool things!"

—*Chicago Record-Herald.*

* * *

WHEN THE FROST, ETC.

When the frost is on the punkin
And the fodder's in the shock
We wage war upon the turkey.
And we gobble up the flock;
Our ethics never chide us
As we bring them to the block—
When the frost is on the punkin
And the fodder's in the shock.

When the frost is on the punkin
And the corn is in the bin
We feel thankful for the turkey,
So stick a fork in him;
We deglutinate his carcas
Never thinking it a sin—
When the frost is on the punkin
And the corn is in the bin.

When the frost is on the punkin
And the fodder's in the stack
We gather Studes around us,
And turn the gobbler on his back;
We gorge upon his members
Till our paunches nearly crack—
When the frost is on the punkin
And the fodder's in the stack.

When the frost is on the punkin
And the corn is in the crib
We think not of forbidden fruit,
Nor e'en of Adam's Rib;
Our thoughts are on the turkey—
We cannot tell a fib—
When the frost is on the punkin
And the corn is in the crib.

—C. G. Brown.

SHE:—"DO YOU CONSIDER AN ENGAGEMENT AS GOOD AS MARRIAGE?"
HE:—"BETTER; FAR BETTER!"

Nearly every man is just a little smarter than the next fellow—in his own mind.

* * *

It kind of pays to be kind of kind to human kind, and animal kind of every kind.

* * *

The man who loves his stock is making himself a better friend to his fellow man.

* * *

That which comes to him who waits is only that which the man who doesn't wait doesn't want.

* * *

You just can't get around it, there are a lot of clever men in the world—now "ain't it?"

* * *

"Women don't know enough to vote," says the politician. Course not. Suppose that's why, throughout the nation, they're teaching the fundamentals of government to all nationalities. Now I see it—jest as plain as day.

Just Plain Folks

They're a kind of a happy family,
Jim, and the wife, and the kids.
They're not so very stylish,
When it comes to highest bids.

But when it's hospitality,
They ain't got on no lids;
They believe in bein' sociable-like,
Jim, and the wife, and the kids.

* * *

"A cow's a cow," said the owner of the scrub herd.

"Yes, and a dollar's a dollar, but forty dollars isn't fifteen," was the satisfied reply of the man with the herd of Black-and-Whites.

* * *

To get wise—just overcome your ignorance.

Dispersal Sale of Forty-Five Head Registered Holstein-Friesian Cattle

These will be sold at Public Auction November 29th, 1915, at Nazareth, Pa., on the Farm formerly owned by J. A. Miller.

CATALOGUES AT SALE

Somerset Holstein Breeders Co.

Somerville, N. J.

B. V. KELLEY **AUCTIONEER**

28 Registered Holsteins at Auction

Wednesday, Dec. 1, 1915

AT 10:00 A. M.

22 females representing the best families of the breed 11 bred to King Zerma Alcartra Pontiac, a good son of the $50,000 bull. One herd sire, Bell Boy Pontiac Korndyke No. 84160—8 of his young daughters—5 of his young sons. This is no culling out sale. It is my entire herd except one cow, one young bull, and three young daughters of Bell Boy. Send for bill. 18 miles west of Kalamazoo.

C. H. GIDDINGS, Prop. **MARK DeWRIGHT**
Gobleville, Mich., Van Buren Co. **Auctioneer**

FOR SALE--BULL CALVES

No. 1

Born Oct. 23, 1914; ¾ white; grand individual. Sired by King Pontiac Mayflower, one of the very best sons of King of the Pontiacs. Dam has 27.62 lb.—a daughter of Changeling Butter Boy. Price $300.

No. 2

Born Feb. 9, 1915; ¾ white. One of the best of individuals, sired by same sire as No. 1. Dam is a 21-lb. 4-yr.-old daughter of Tidy Abbekerk Prince and we believe she will make a large record for us this winter. Price $150.

No. 3

Born Dec. 23, 1914; about ½ white. Dam and sire's dam average over 26 lb. Price $100.

These calves are well grown and are ready this minute to lead in a show ring.

H. M. DUNHAM & SONS, Marcellus, N. Y.

NEW BERLIN BREEDERS

LOCUS STOCK FARM
Fellow Breeders—Take Notice

A rare opportunity to obtain a herd bull.

Grandson of Hengerveld De Kol out of Granddaughter De Kol 2d Butter Boy 3d with good A. R. O. backing. Eighteen months out. Well marked Write for photo, pedigree etc.

C. L. BANKS & SON.
New Berlin, N. Y.

MAPLE LAWN STOCK FARM

has a few well bred cows for sale. They are bred to Brightview Sir Pietertje Segis whose get are proving exceptional individuals. His sire is one of the best sons of King Segis, out of a one time world record daughter of Paul Beets De Kol. His dam, is out of the same cow as Agatha Pontiac, A. R. O. 36.90 at 4 years, and has 28.32 A. R. O. State wants.

ELMER TRAVER
New Berlin **N. Y.**

FULL VIEW STOCK FARM

Twelve year experienced breeding of choice Holstein - Friesian cattle. Senior herd sire, Aaggie Grace Butter Boy 34389, best son of De Kol 2d's Butter Boy 3d. Junior herd sire, Pontiac Perseus 41666, one of the best bred sons of Hengerveld De Kol. Bull calves from the above breeding for sale.

WM. M. BACKUS
New Berlin **New York**

FOR SALE

Bulls, yearlings and calves sired by **Changeling Butter Boy** and other good bulls and out of daughters and granddaughters of both Changeling Butter Boy and **Tidy Abbekerk Prince.** Here you have two of the best living bulls of the breed. You need this blood.

GEO. F. BLEWER ESTATE
Newark Valley **R. 2.** **N. Y.**

FAIRVIEW STOCK EARM.

Offers for sale a son of a granddaughter of King Segis with a yearly record of 586.62 lb. of butter as a four-year-old. Calf born Feb. 2, 1914; more white than black; a splendid individual. Price $125.

A. C. THORESON
Baldwin **Wis.**

DAVISDALE FARM

Holstein-Friesian Cattle

H. B. DAVIS, Prop.,
Chester, N. Y.

Bull born December 23rd, 1914. Sire Hengerveld Homestead De Kol whose three nearest dams average 30.49 lb. butter and 644 lb. milk in 7 days, and whose three nearest sires have all produced 30 lb. daughters.

Dam of calf is a 23.52 lb. daughter of a 22 lb. cow. Six of his seven nearest dams average 26.5 butter in 7 days. He is a handsome individual, a little more black than white, and will weigh about 900 lb. Price $150.

JAMES PHELAN
Forestville **Chautauqua Co.**

ADD WATER TO MILK Without Breaking the Law

Cattle that drink good water freely give more and better milk. Equip your stables with **ACORN COW BOWLS**

Each cow controls own supply. No danger of contagion. Equally good for horses. Approved by Agricultural colleges. Write today.

Metal Shingle Co., 116 Oregon Ave., Detroit, Mich.

BULL CALF. Born Oct. 14, 1914.

Sire—Maplecrest Pontiac Sir Korndyke, a son of Pontiac Aaggie Korndyke; 12 30-lb. daughters, which is more han any bull ever had.

Dam of calf, Premier Pontiac Rose, milk 391.7 lb. and 16.09 lb. butter at 2 years; grandam, 26.90 lb. at 4 years; great grandam 29.74 lb.

Here is a good one and at a price that will surprise you for the quality.

Fairview Farm **F. H. THOMPSON & SON** **Holland Patent, N. Y.**

BULL CALF FROM THE 44-LB. FAMILY

Born January 17, 1915

SIRE: Spring Farm Butter Boy, whoseadm, Tweede De Kol Lass, 34.39 average per cent fat 5.10, is also dam of the only 44-lb. cow, K. P. Pontiac Lass, who holds all the Wold's butter records for 7, 30, 60, 90 and 100 days.

DAM: Woodmont Duchess Onyx, butter 7 days at 2 yrs. of age, 15.69; a daughter of Woodmont Duke De Kol, whose dam and sire's dam are both 30-lb. cows. Her dam—a daughter of the great butter fat sire, Prilly Princess Sir Inka.

A fine individual, well grown, more white than black.

Note the high per cent of butter fat and large milk production of the dams in his pedigree which will be mailed with photograph on application.

PRICE $100

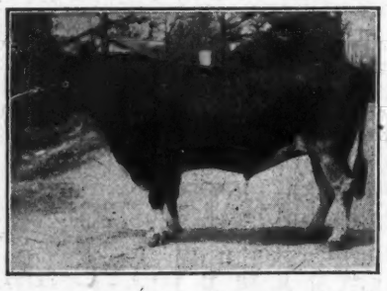
WOODMONT FARMS **Morrisville** **Madison Connty, N. Y.**

WALCOWIS FARMS HERD SIRE

Cornucopia Pontiac Johanna Lad

SIRE

King of the Pontiacs



DAM

Manor DeKol Kate 2d

Butter 24.95

Milk 609.30

Full brother to K. P. Manor Kate, World's yearly record senior 2-yr.-old. 5 A. R. O. daughters with records up to 27.71 lb. butter and 101½ lbs. milk per day. His calves are of the desired type as evidenced by their winning three firsts at Waterloo and 2d get of sire at both Waterloo and National Dairy Show in 1914. For Sale, a yearling son, dark in color and a fine individual. Dam a 22-lb. show cow milking 80 lbs. per day. Send for pedigree and price to

N. DICKINSON & SON **Lake Geneva, Wis.**

RUSTLE HERD.

A sample letter received from Wm. Kock, Lone Rock, Wis., saying "Calf arrived in very good condition. He is all O. K. a great deal better than you represented him to be. A very good individual, I am well pleased." Of course he was sired by our 31.65 lb. bull and we have five more just like him from dams with butter records from 17.95 lbs. at 2 years up to 25.86 lbs.

O. L. PRINDLE, WEST VIEW, OHIO

THE WOLVERINE HERD

Is headed by Judge Walker Pietertje, who was by King of the Black and Whites and from a daughter of Mary Walker Pietertje (31.81 lbs.), the only 31-lb. cow having two 30-lb. daughters and a 32-lb. dam.

WE OFFER some finely bred heifers in calf to Judge, also some splendid young bulls sired by King Korndyke Hengerveld Ormsby, from high record dams.

W. W. SPRAGUE, Secy., BATTLE CREEK, MICH.

READY FOR HEAVY SERVICE

Sire's dam 32.94 lbs. A former Michigan champion.

Dam, a 23-lb. jr. three-year-old granddaughter of Pietertje Hengerveld's Count De Kol (100 A. R. O. daughters, 4 above 30 lbs.)

Average dam and sire's dam 28-lbs

16 months old, weight 1,300 lbs. grand individual.

$300 delivered, with all papers, safe arrival guaranteed. Write for pedigree and photo.

HOBART W. FAY, MASON, MICH.

Holstein Friesian Breeders

If You are Having Trouble from Failure to Breed

Read the following convincing letter from a well-known Holstein breeder, then send us an order for

HOOD FARM BREEDING POWDER

Frontier Herd
Holstein-Friesian Cattle.

Morristown, N. Y., Oct. 11, 1915.

Gentlemen:—

I believe I have a duty to perform, not only to your company but to the breeders of dairy cattle in general, by informing you of my experience with Hood Farm Breeding Powder.

One of my pure-bred Holstein-Friesian cows, Priscilla Queen No. 99037, had failed to breed for over three years, and as a last resort I sent for some of your Breeding Powder, which cost me $1.15, and after using it as directed for about three weeks, we bred her to our herd bull on October 8, 1914, and on July 18th, 1915, she dropped me a beautiful heifer calf from my herd sire Witkop De Kol Korndyke Wayne No. 36543, who by the way, is the sire of 28 officially tested daughters. We officially tested this cow in the month of August, and she produced 418.9 lbs. of milk and 22.62 lbs. butter in 7 days. Her milk averaged 4.32 per cent butter fat.

You are at liberty to publish this letter if you so desire.

Very truly yours,
FRANK W. AMES.

Prices prepaid $1.15, $2.75 and $5.00. Flexible Injection Tube, by mail, 90c. Mammoth size Breeding Powder and Tube, prepaid, $5.75. Mention this paper.

C. I. HOOD CO., Lowell, Mass.

PUREBRED

Duroc Jersey Hogs

Spring pigs for sale.

W. W. GOODRICH, Ft. Atkinson, Wis.

BARKER FARM HOLSTEINS

Herd Sires: **Spring Farm King Pontiac Mercedes,** 104884, two nearest dams average 31.8 lbs.; and **Finderne Netherland Korndyke,** 155460, son of the world record junior two for 7 and 30 days and by a brother to the 40 lb. 4 yr. old.

Young bull calves for sale, also some very good, purebred and high grade females, all ages. Send for pedigrees and information.

C. P. BARKER

Chippewa Falls **Wis.**

MOYERDALE HERD SIRE

KING LYONS No. 71155

The only sire of the breed that has 6 20-lb. daughters with first calf at 4 years of age.

His sire is a son of Colantha Fourth Johanna 35.22.

His grandsire is an own brother of Grace Fayne 2d Homestead 35.55 lb. The two first 35-lb. cows of the breed.

His dam is a 29-lb. daughter of King Segis.

His second and third dams are each 34 lb. cows.

KING JOH No. 143460, Jr. HERD SIRE

Sire—King Segis Pontiac Alcartra No. 76602, the $50,000 bull, a grandson of King Segis. Dam—a 33-lb. daughter of Johanna McKinley Segis, the $25,000 son of King Segis, and Johanna De Kol Van Beers, the 40-lb. $7,000 cow with butter records as follows:

Butter 7 days	40.07 lb.	Butter 30 days	151.39 lb.
Butter 60 days	288.45 lb.	Butter 90 days	416.71 lb.
Butter 120 days	541.35 lb.		

King Joh retains the King Segis quality. He is a beautiful individual, with all of the dairy qualities we like. He weighed 1200 lbs. at 12 months old. His sire has 5 20-lb. 2-year-old daughters at 4 years of age.

KING SEGIS No. 36168

Born in 1904—died in 1910.

Today he has over 800 granddaughters or 900 daughters and granddaughters, 21 of this number with records from 30 to 40 lb. each.

Why should he have more daughters and granddaughters than any bull of the breed with less than half the years of service of some of the older, great bulls? The only way this question can be answered is that his transmitting qualities must have been greater than any other bull of the breed.

A few choice bred bull calves with great individuality, beautifully marked, that have from 7 to 12 dams in their pedigree that averages over 30 lb. each.

Prices and description mailed on application.

Remember that Moyerdale is the Home of King Segis, the greatest sire of his generations of the black and white breed.

H. A. MOYER, Syracuse, N. Y. Wm. Simpson, Supt.

ABORTION IN CATTLE

PREVENTED AND CURED PERMANENTLY

YOUR COWS MADE PROMPT, REGULAR BREEDERS BY

STERILOID

STOP LOSING CALVES

TREATMENT If STERILOID is used at the first sign of abortion the cow will go her full time and have a healthy calf. If your cows or heifers do not come in season, or fail to get with calf, use STERILOID. Cows get with calf after only one treatment. Write today for **FREE BOOK.** It explains the causes and symptoms of Abortion and tells how to cure Abortion, and make your cows regular, healthy breeders with STERILOID. Also contains letters from breeders who have used STERILOID successfully.

Guarantee **We will refund money in every case when STERILOID FAILS to make good. PRICE $1.00, Mailed Postpaid in plain wrapper.**

Martin Remedy Co. **Dept. E, 398-408 Columbus Ave., New York City, Reference—Colonial Bank.**

W. C. HUNT'S HERD, FAYETTEVILLE, N. Y.

OUR HERD SIRES

KING PONTIAC JEWEL, NO. 55753
PIETERTJE HENGERVELD SEGIS, NO. 44781

Have been exploited to you in each "WORLD" issue during the past 4 months.

I now wish to offer to you a few CHOICE SONS of the above 2 Herd Bulls that are out of HIGH GRADE A. R. O. DAMS. Also a few choice young cows and heifers that are bred to "Our Herd Sires." COME AND SEE US. HERD NUMBERS OVER 100 HEAD.

W. C. HUNT, FAYETTEVILLE, N. Y.

N. B. Trolly direct to farm; one-half hour from Syracuse. Bell'phone.

Keep a Record of What You Write

BUSINESS MEN recognize the importance of keeping carbon copies of every letter, contract and transaction. It is a protection against forgetfulness, errors and dishonesty. One of the reasons why farmers and stock breeders should use typewriters is that it enables them to keep on file complete records of correspondence, crop reports and whatever is necessary to put farming on a business basis.

FILL OUT THIS COUPON AND MAIL TODAY

L. C. SMITH & BROS.
Typewriter Co.
Syracuse, N. Y.

Please send me information as checked:

( ) **Send me free catalogue.**
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( ) **What about trading in old machines?**

Name .....

P. O. .....

State .....

BREEDERS HERE'S A BARGAIN

Bull calf born April 26th, 1915, extra fine individual, straight top line, fine head, neck, shoulders and evenly marked. Sire, Netherland Bonanza Sarcastic Lad, is a grandson of the famous sire, Homestead Girl De Kol Sarcastic Lad, (100 A. R. O. Da.). Dam, Lady of Maple Hill 3d, is a daughter of Woodbine Pontiac Hengerveld. He carries 50 per cent of the blood of King of the Pontiacs and King Segis Pontiac, being by a splendid son of the former, and from the largest record daughter of the latter. $70.00 delivers this calf to your station. For pedigree etc. address:

W. B. JEWETT
Willowdale Stock Farm
Evans Mills, N. Y.

FOR SALE

Bull calves sired by a 30.32 lb. bull. Son of the 40 lb. $25,000 bull Johanna McKinley Segis No. 44367, from dams producing up to 75 lbs. milk per day. Send for prices. Address,

O. A. LUKKEN & SONS
Mt. Horeb, Wis.

HOLSTEINS AT AUCTION

Madison Square Garden DEC. 15-16 New York City

KINK ECHO COLANTHA
An April son of King Segis Pontiac Alcartra and Buttercup De Kol Netherland, 31.35.

MAPLEMONT ALCARTRA BEETS
An April son of King Segis Pontiac Alcartra and Wachusett Catrina, 32.72.

LAWSON HOLDING COMPANY
This home of King Segis Pontiac Alcartra sends a dozen grandly bred animals, served to this sire.

JANIE RUE DE KOL 30.84
A granddaughter of Johanna Rue 3d's Lad.

ARDENA NETHERLAND ARTIS DE KOL 29.73
A show cow due in February to Pietje 22d Son.

MINNIE CORNUCOPIA WAYNE DE KOL 27.82
Bred to Tidy Abbekerk King.

FAIRMONT FARM
John Arfmann, Esq.
A select consignment from the home of King Segis Pontiac Alcartra, the $50,000 bull.

JUDGE HENGERVELD DE KOL
Represented by ten of his beautiful daughters, bred to the $5,000 sire, Rag Apple Korndyke.

BELLE NETHERLAND JOHANNA PRINCE
Represented by two yearling daughters both served to King Segis Pontiac Alcartra.

AURAY FARMS
In this offering of twelve females, are four whose records average over 26 lbs.

TIDY ABBEKERK PRINCE
Represented by five of his young daughters from officially tested dams.

SEGIS LILLY BELLE 21.93
Dam of Segis Lilly Belle 2d, a 26-lb. two-year-old. She is by King Segis and from a daughter of Admiral Walker.

WOODCREST FARM
Great cows and heifers bred to King Walker and Pietje 22d Son.

FINDERNE HENGERVELD MUTUAL 23.79
The dam of Finderne Mutual Fayne, the World's Champion junior two-year-old, with 1200.63 lbs. butter and 22,150 lbs. milk in one year.

BARONESS MONA PAULINE 2D, 27.44
A show cow, whose first and second dams both have records greater than 27 lbs. and bred to King Segis Pontiac Alcartra.

AAGGIE BEETS OF BURLINGTON 5TH, 25.97
A daughter of Maple Ridge King Pontiac with over 600 lbs. milk as a three-year-old and due in March, 1916.

BELLE ELLEN FARM
Daughters of many of the greatest sires, bred to one of the best sons of Pontiac Korndyke.

KING JOHANNA RUE
The two-year-old show bull by Judge Hengerveld De Kol and from Janie Rue De Kol, 30.84.

TOWANDA JUDGE SEGIS
A handsome young son of Judge Hengerveld De Kol from Hilldale Mercedes Segis, 30.62, who is by King Segis Beets.

Other Consignments
of Superb Individuals from
HILLCROFT FARM Towanda, Pa.
BROOK DALE FARM Branchville, N. J.
MOHEGAN FARM Mohegan Lake, N. Y.
NELSON FARM Marshfield Hills, Mass.
KEARSAGE FARM Warner, N. H.
KINGS HILL FARM Walden, N. Y.
BENSONHURST FARMS Pawling, N. Y.
MAPLE KNOLL FARM Goshen, N. Y.

JUDGE HENGERVELD ORMSBY
A four-year-old show bull by Judge Hengerveld De Kol and from Pearl Ormsby Burke, 30.56. She was sold in public sale for $1,352.

FAIRVIEW SADIE VALE KORNDYKE
A 22-lb. three-fourths sister to Sadie Vale Korndyke, 36.20, being by Rag Apple Korndyke. Safe in calf to King Segis Pontiac Alcartra.

"IN ALL THE WORLD NO SALE LIKE THIS"
Thanks to the Enthusiastic Support of the Leading Men Behind the breed, we have Sufficient Consignments of Class to make this
"The Quality Sale of the Winter Sale Season"
Catalogs Ready December 1
Catalogs mailed on application only. Be sure to ask for Holstein Sale Catalog. Address:

Fasig-Tipton Company
Madison Square Garden NEW YORK CITY

Other Consignments
of Superb Individuals from
W. J. & P. ATCHISON Boardman, Conn.
R. W. DENNIS Jasper, N. Y.
MAPLEMONT FARM Warner, N. H.
FAIRACRES FARM Crystal Run, N. Y.
F. A. BLEWER Owego, N. Y.
HOLLAND FARMS Poughquag, N. Y.
STAUB & CLARK New Milford, Conn.
HILL PINE FARM Walten, N. Y.

Son of a 25-lb. Junior 2-yr.-old

Sired by a 33.76-lb. son of Pontiac Korndyke. Dam is a daughter of Gordon Glen Pontiac, the only sire having three 25-lb. junior 2-yr.-old daughters. She is a sister to the World's Champion 2-yr.-old, and to a 30-lb. 3-yr.-old.

The dam averaged over 70 lb. milk per day during her 30-day test making 102.54 lb. butter.

Calf was born March 16, 1915.

Is this the sort of a prospect you want as the dam of your next herd bull?

For complete information, address:

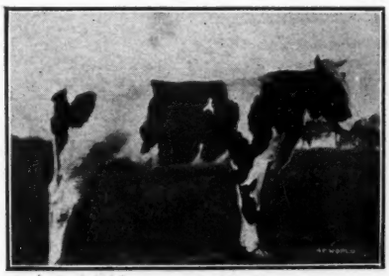
HUGH J. DAVIS

Maple Ridge Herd Broadalbin, N.Y.

KING MASSASOIT

The Bull that will make "Massasoit" a name always to be remembered in every Holstein breeders' family.

Dad.
King of the Pontiacs. "The greatest King living"



Mother.
Eirene Fayne
31.5 in seven
130 in thirty.
Sired by
King Fayne Segis

In my veins runs the blood of conquerors and I shall carry the family name to victory.

Write to my homes in Pennsylvania and secure one of my sons at a bargain price.

G. Smith & Sons, Inc.
CRYSTAL SPRING FARM
Seelyville

T. B. Clark
KNOB HILL FARM
Honesdale

(7 days 33.12) **(365 days 1157.44)**

This is the average for the two nearest dams of

KING SEGIS PONTIAC COUNT

Why! not head your herd with a son of King, and get with aristocratic blood lines, long distance records in your pedigrees. Here is a few we have to offer, one from a 29 lb. cow that has produced a 25 lb. two year old daughter, 1 from a 27 lb. junior 4 yr. old daughter of Tidy Abbekerk Prince, 1 from a 29 lb. daughter of Sir Veeman Hengerveld, 1 from a 26 lb. daughter of Sir Johanna Fayne, and another from a 15 lb. junior 2 yr. old whose dam is a 31 lb. daughter of a 26 lb. cow, most of the dams above have yearly records or are now on test. Write for pedigrees and prices. Remember we are always willing to take nice heifers in trade.

ARDEN FARMS, Inc.,
Merriam Park Sta., ST. PAUL, MINN.
W. J. YOUNG, Mgr.

Auray Farms

Our Consignment to the **Fasig-Tipton Co.'s Sale,** December 15-16 at **Madison Square Garden, New York City,** will include the following remarkably attractive A. R. O. cows—all handsome individuals, suitable for foundation stock.

A 28 lb. and 106 lb. dau. of **Prince Cornucopia Wayne,** 1st & 2d dams A. R. O. Safe in calf to **Tidy Abbekerk King.**

A 27 lb. dau. of **Sir Pontiac King Segis.** She is sister to a 32 lb. 4 yr. old and is safe in calf to our **King Segis Pontiac Clorinda.**

A 25 lb. and 100 lb. dau. of **Sir Veeman Hengerveld.** She has produced a dau. that sold for $1,400. Also safe in calf to our **Clorinda** bull.

A 25 lb. dau. of **Sir Gelsche Walker Segis** who was from the best dau. of **Prilly.** Bred to the **Clorinda** bull.

A 24 lb. 4 yr. gr. dau. of King of **the Pontiacs,** by **King Pontiac Calypso** from a 26-lb. dam. Safe in calf to the **Clorinda** bull.

And about five other head of very desirable A. R. O. cows, all bred to our **King Segis Pontiac Clorinda** (¾ bro. to King Segis Pontiac Alcartra) by **King Segis Pontiac** from **K. P. Clorinda.** These cows represent the very best Holstein-Friesian blood—just look them up!

Write us regarding these offerings—we will be glad to give you detailed information and particulars.

Auray Farms

F. M. Avery **I. M. Avery, Mgr.**
Sparta, Sussex Co., N. J.

A BARGAIN

A good son of KORNDYKE PONTIAC PET, and a splendid A. R. O. cow. He is a grandson of PONTIAC KORNDYKE and PONTIAC PET 37.68 lb. in 7 days who sold in the January DOLLAR SALE for $5,500.00. He is two years old and his first crop of calves are a splendid lot. PRICE REASONABLE.

F. A. TINKER
Herkimer N. Y.

FOR SALE

Female born Dec. 14, 1914, sired by Sir Johanna De Kol 23d, one of the most promising sons of Sir Johanna De Kol. She is out of Paula Yeslet 2d Girl No. 143972, with a record of 15.32 lbs. butter as a senior 3-year-old and 19.51 lbs. butter as a senior 4-year-old. Price reasonable.

CARL MUTH DAIRY,
Egbert Muth, Prop., Sheboygan, Wis.

Private Pedigree Work

accurately, promptly and inexpensively gotten out.

Sale Catalogs are our Specialty. Compare our work with any others.

A complete up-to-date record system, personally trained clerks, careful supervision, and attention to business give results that show.

HOLSTEIN SALES COMPANY

102 West Chicago St., ELGIN, ILLINOIS

You will come to us some time, why not NOW?

OTSELIC STOCK FARM

Premier Sire—KORNDYKE PONTIAC PET No. 55995.
Sire—PONTIAC KORNDYKE.
Dam—PONTIAC PET. Butter 37.678 lbs.

David B. Hill Dalrymple, Otselic, New York

VANDERKAMP FARMS

If YouWant a 30-LB. Bull You Ought to

BUY THIS ONE FOR HIS 4 YEAR OLD DAM IS A CANDIDATE FOR IT.

SIRE:
Judge Segis No. 80912
Born Nov. 13, '10
25 Daughters
8 A. R. O. Av. 17 lbs
at 2 yrs. 2 mons.
17 Daughters
Yearlings and Calves
DAM:
Brookdale Pietje
Inka No. 138641
Butter 4 yrs. 27.54
Milk 486.4
Percent Fat 4.44
Her sister made 34.54
lbs, Apl. '15 at 4 yrs.

Vanderkamp Segis Sarcastic Lad

Born Feb. 6, 1915.-Weight at 5 mos. 435 lbs.-He is now ready
To be shipped Tuberculin Tested, and ready for service.
BUY FROM A CLEAN HERD WHERE TUBERCULOSIS IS UNKNOWN
WE NEVER HAD A SINGLE RE-ACTOR

F. C. SOULE & SONS, SYRACUSE, N. Y.

Do You Want to Buy?

Do You Want to Sell?

In either event our sales are for you but this advertisement is intended for the man who wants to sell.

We have had to turn away many good men and turn away many good cattle because our sales were already full. It is hard for us to do this but it won't be necessary in your case, if you write now.

How many good ones do you want to sell in our sales of

January - March - April

at the Syracuse Sale Pavilion, Syracuse, N. Y., or

JANUARY

at the Holstein Sale Pavilion, Earlville, N. Y.

We also advertise, clerk and manage outside sales. You note it is the men with good cattle to sell who come to us.

If you have cattle to sell, consult us first.

Liverpool Sale & Pedigree Co., Inc., Sale Mgrs.,

Liverpool, New York

Home Farm Herd

ESTABLISHED 1881
headed by

SIR SADIE CORNUCOPIA 42152

35 A. R. O. DAUGHTERS 10 A. R. O. SONS.

Sadie Cornucopia Mignone 31.74
Sadie Cornucopia Wayne 31.42
Bloomingdale Hengerveld Elzevere 2d. 29.43
Alba Sadie Cornucopia Creetia 28.85
Nine others from 20.58 lbs. to 26.00 lbs. butter. He is from the same dam as
Sadie Vale Concordia 4th 41.06

Our offerings now consist of some nicely bred heifer calves, well grown and in fine condition; also a few bull calves from good A. R. O. dams.

W. B. BARNEY & SONS

CHAPIN, IOWA

Sons of Herd Sire

UNEEDA KORNDYKE ABIGAIL BOY 102287

He is son of the 33-lb. cow, Uneeda Korndyke Abigail, "Best cow owned in the herd of John Arfmann." She is daughter of the 40-lb. bull, **Johanna McKinley Segis, son of King Segis.**

Offer No. 1.—Bull born in June from a 24½-lb. cow.
Offer No. 2.—Bull born in March from a 20-lb. cow.
Also a number of younger cows.

HENRY ANTHES. **JEFFERSON, WIS.**

BENCHESTER FARM

Offers for sale two pure bred calves—one a granddaughter of King of the Pontiacs from an A. R. O. dam; and one pure bred cow; also the following pure bred bull calves:

One: half white, about six weeks old, grandsires King Pontiac Segis Alcartra, the $50,000 bull; and Pontiac Korndyke, dam, an A. R. O. cow.

Two: A grandson of Pontiac Korndyke, mostly white, about a month old.

Three: King De Kol, a grandson of the King of the Pontiacs, by a twenty-five pound A. R. O. dam. Also mother of three other twenty-five pound A. R. O. daughters.

EUGENE B. BENNET, Owner

HARVEY GILLETTE, Herdsman

R. 3 **EASTON, PA.**

MARBLE VALLEY STOCK FARM

Offers bull calf born Feb. 2nd. Sire: Fairview Korndyke Lad, son of Pontiac Korndyke and Pontiac Pet 37.68 lbs.

Dam: a 22.90-lb. cow that has a 25.77-lb. dam that has a junior three-year-old with 27 lbs. Calf's dam, granddam, sire's dam and three of her sisters average 32.96 lbs. each.

Calf is evenly marked; a dandy and guaranteed to please. Price $250.

ROBERT F. MEAD, **WEST RUTLAND, VERMONT.**

BULL LUCK

Did you note the milk vein development on the picture of Daisy Korndyke, H.-F. World, Oct. 9, 1915, page 2046? $150.00 buys her last March bull calf, tuberculin tested and sired by Segis Lyons No. 84592 and he is a dandy, deep bodied, good barrel, nice head and straight as a string. Send for photo and pedigree or better send check as he won't stay long.

JOHN J. WALRATH
East Springfield **N. Y.**

Proven Herd Sire—For Sale.

Canary Jessie Fobes No. 82958

Dam—Jessie Fobes 7th 25.63 lb. daughter of Piebe De Kol Burke.

Sire—Canary Paul Fobes Homestead.

Sire's Dam—Jessie Fobes Bessie Homestead 34.96 butter.

S. H. BIRD
South Byron **Wis.**

Want Ad Column

$1.00 per insertion. Send price with copy.

WANTED

Proven sire of 30-lb. breeding. Must be a good individual and sure breeder, to head a herd of cows with 7-day records up to 30 lbs., and yearly records up to 830 lbs.

REUBEN KLOFANDA
R. 1. **Racine, Wis.**

WANTED

Young man to help take care of the best small herd of Holstein-Friesian cattle in the state. Must be a good milker. Official and semi-official records are made here. This is a chance for a man to learn A. R. O. work from an expert. Wages $35.00 per month, good board and a steam heated room. Address

OAKLAWN STOCK FARM
Cleveland, Wis.

BLUE BOOK

Every Holstein Friesian Breeder Needs the Blue Book to Aid Him in Making His Breeding Operations Successful

Have you subscribed for the 26th volume? You cannot afford to be without it. All experienced breeders consider the book indispensable in tracing the breeding and relationship of A. R. O. animals. The 26th volume will be ready for distribution about November 1st, 1915. It will contain 1,170 pages of condensed information relating to Holstein-Friesian cattle, including the whole Advanced Register of last year. The official name of the book is Advanced Register Year Book, and the price is $2.00 per copy to all alike. A limited number of copies of the 24th and 25th volumes is yet on hand. Be sure to designate which volume you want, and send all applications with price to

M. H. GARDNER, Supt. A. R.
Delavan, Wis.

RAW ROCK PHOSPHATE
WRITE FOR DELIVERED PRICES
ROBIN JONES PHOSPHATE CO.
NASHVILLE, TENN.

FOR SALE

A car load of Vermont Registered Holstein cows and heifers; cows are safe in calf to the Great Young Sire Sir Beets Korndyke No. 91212, a son of Pontiac Korndyke, and due to freshen in May and June, some have good A. R. O. records; will put in a few bred daughters of above bull, due in the Fall.

Two fine Yearling Bulls from A. R. O. dams, could go with this lot, all are born and bred at

ISLAND HOME STOCK FARM
W. B. Dodds & Son **North Hero, Vt.**

FOR SALE—SON OF KING OF THE PONTIACS

Dam—Pansy Veeman Hengerveld 116465—27.01 lb.

Her dam, Daisy Veeman Hengerveld 89652—29.14 lb., who is one of the best daughters of Sir Veeman Hengerveld. A wonderful individual, nicely marked—born Mar. 25, 1915. Speak quick if you want a good one.

B. P. DAVIS, R. 4, MEXICO, N. Y.

FRIESLAND FARM

HERD SIRE

RAG APPLE KORNDYKE BOON, NO. 123847.

Sire: Rag Apple Korndyke 8th, the $25,000 son of Rag Apple Korndyke and Pontiac Lady Korndyke, 38.03.

Dam: Fairview Korndyke Boon, a 32.17 pound junior four-year-old daughter of Pontiac Korndyke. She sold recently for $4,100 at auction and will probably increase her record when she freshens.

Rag Apple Korndyke Boon's dam and sire's dam average as follows:

Butter, 7 days ..... 35.10 lbs.
Butter, 30 days 143.53
Per cent of butterfat 4.96

He is as good an individual as his great sire and with his splendid breeding is sure to make good. We expect to keep and test all his daughters. His first two daughters are from a 22-lb. two-year-old and from Lotta Clyde, the cow that has just produced 709.1 lbs. milk; 31.325 lbs. butter in 7 days.

Have four of his beautiful sons from good A. R. O. cows.

B. B. DAVIS, Omaha, Nebr.
200 Bee Building

Baled Shavings

Contain no germs of Foot and Mouth disease.
Used where certified milk is produced.
We will make a low price delivered at your station in car lots. Write

OSCAR SMITH & SON, ALBANY, N. Y.

Cheap, clean

Absorbent

SERVICE BULL FOR SALE

Dam of bull, Vida Veeman Pontiac, 27.08 lbs., with 4.20 per cent fat. Daughter of Sir Korndyke Pontiac Artis and her dam is a daughter of Sir Veeman Hengerveld. Bull is well grown, nicely marked, more black than white, and ready for service. Price $250.

B. B. ANDREWS, Weedsport, N. Y.

HENRY K. JARVIS, Weedsport, N. Y.

NORWICH STOCK FARMS

Offers anything in the line of high class Holstein-Friesian Cattle. My stables are crowded and must sell a few at once, male or female, any age. Nearly all of these are close descendants of the present WORLD'S RECORD combined MILK and BUTTER Record Cows.

If you are in want of something extra-good write at once. Satisfaction Guaranteed.

R. C. WELLS **Norwich, N. Y.**

McHenry County Breeders.

R. E. HAEGER .....One-half page

RIVER VALLEY STOCK FARM

Grandsons and granddaughters of King of the Pontiacs by herd bull, Sir Genie Pontiac, from A. R. O. dams.

These calves are beauties and priced right.

JOHN DEHMLOW, Algonquin, Ill.

Hamilton Breeders

FOR SALE

A ten-months-old son of the 27-lb. cow BLANCHE ROUBLE HARTOG. He is sired by a bull whose two nearest dams average over 30 lbs.; a beautiful well grown individual nearly white will be sold at a bargain.

HARTSHORN & BABCOCK
Culvert Brook Stock Farm
Hamilton, N. Y.

---

4 HEIFERS 4

Their dams have records from 26.67 lbs. down. Their sires are grandsons of Pontiac Lady Korndyke and Beauty Pietertje. They are nearly ready to breed, well grown, and will be priced right.

J. C. MORRIS,
Sunnyslope Farm, Hamilton, N. Y.

FOR QUICK SALE—A few choice young bull calves from a grandson of Hengerveld De Kol and from tested dams. Prices $50 to $75.

Chenango Farms, Hamilton, New York.

Young things of either sex for sale at reduced prices during October. Not room to stable them. Don't bother to write. Come and see them.

J. GRANT MORSE
Laurel Farm Hamilton, N. Y.

ROGERDALE HOLSTEINS.

For Sale: Bull calf born March 3, 1915. Sired by Sir Johanna Lady Korndyke 84720. Dam, Johanna Korndyke Pride No. 219482; Milk 382.7 lbs. Butter 14.73 lbs. A. R. O. at 2 years, I days old.

Calf evenly marked, straight and right every way. For price addressq

M. J. RODGER, HAMMOND, N. Y.

Truckell Envelopes and Test Books

Low in price, High in Quality.

Used everywhere, they MUST be good.

Envelopes $1.00 per 100. Test Books 60c each.

G. H. TRUCKELL, Liverpool, N. Y.

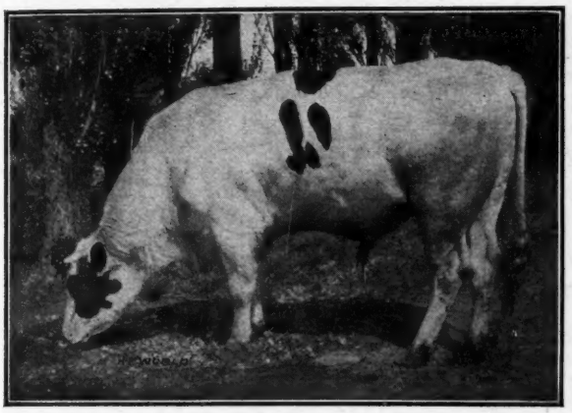
SON OF A 23-LB. 3-YR.-OLD

Dam's record—23.5 lb. butter, 572 lb. milk in 7 days; 96.75 lb. butter, 2248 lb. milk in 30 days—best day's milk 87 lb. Her sire is a brother to De Kol Creamelle. Calf is sired by Matador Walker, a ¾ brother to a 33-lb. 4-yr.-old.

Also a grandson and **granddaughter of 44-lb.** cow for sale.

THE BOYSON HERD
Rome New York.

Why Finderne Pietertje Fayne is the Greatest Bull in the World



FOR SALE, son of Finderne Pietertje Fayne and Bessie Piebe Homestead 3d (29.09 lbs. at 3 yr.) a full sister to Jessie Fobes Bessie Homestead (34.96 lbs. at 4 yrs.)

His dam, World's record three-year-old daughter of Johanna Rue 3d's Lad. She has two World's record sisters.

Sire's dam, World's record two-year-old daughter of Hengerveld De Kol out of daughter of Johanna Rue 3d's Lad.

Sire is a son of King Fayne Segis out of the World's record six-year-old daughter of Homestead Jr. De Kol.

His junior three-year-old sister, Finderne Holingen Fayne, World's record three-year-old and greatest record, all breeds, all ages in 8 classes.

His junior two-year-old sister, Finderne Mutual Fayne, World's greatest yearly record by wide margin.

Every female relative has high per cent of fat in her milk.

Performance, Breeding, Individuality

MUNROE COMPANY, R. 1, Spokane, Wash.

SPRING FARM HERD

offers a fine son of the $15,000.00 bull, with just a little better average for the three and four near dams than King Dollar, that sold at Liverpool for $4,500.00

FRANCIS M. JONES

Clinton, New York

King Walker Segis 2d, 102844

Six of whose nearest dams average over 30 lb.

Sire--King Walker

Dam--Betta Lyons De Kol

BULLS FOR SALE: Here is a bargain:

Born Nov., 1913; color 90% white.

Dam' record 27.87 lbs. butter, 596 lbs. milk. Milk one day 94.6 bs

Price $300. Satisfaction guaranteed.

W. H. CANDEE,

Green Ridge Farm, WATERVILLE, NEW YORK

SOLD

The son of King Segis Pontiac Alcartra which we offered has been sold. We now offer three grandsons of "King". They sired by one of his best sons from Daisy Veeman Hengerveld, a 29-lb. daughter of Sir Veeman Hengerveld. They are about eight months old and all tuberculin tested. Their dams are a 25-lb. sister to Christmas Tobe 2d, 31.66 lb.; an 18.75-lb. 2-yr.-old daughter of a 24.91-lb. 4-yr.-old and her dam a 31-lb. cow, and the last one is from a 15-lb. 2-yr.-old daughter of a 26-lb. cow. Write for photos, pedigrees and prices.

CRESDALE FARM,

J. H. PHELPS & SON, Props., VERNON, N. Y.

HOT CAKES DON'T LAST LONG

Neither do the sons of Changeling Abbekerk Prince when nearly ready for service. I have two classy young fellows from A. R. O. cows I will offer for $75.00 if taken soon. Send for photo and pedigree.

$75 Royce Stock Farm $75

F. W. ROYCE, BERKSHIRE, N. Y.

WHERE CAN YOU BEAT THIS?

A Yearling Son of

KING OF THE PONTIACS

and

THE FAMOUS 30-LB. COW

JACOBA HARTOG CANARY, who was by Canary Mercedes Alban, and from a dam with 6 A. R. O. daughters.

If you want the best, why not get a son of King of the Pontiacs from a dam of this quality. You will never get a better opportunity than this. He is a good individual, more black than white. His dam is a show cow. Send for pedigree and price.

LAMB & LANGWORTHY, East Hamilton, N. Y.

Holstein Auctioneer

To insure the success of your sale you need Kelley in the box

For dates write

COL. B. V. KELLEY Syracuse, N. Y.

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HOLSTEIN AUCTIONEER

I also sell satisfaction.

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When in need of an Auctioneer

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Long experience with Holsteins and thorough training in Jones' Auctioneering School, Chicago.

Dates made anywhere.

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Woodstock Illinois.

A SUCCESSFUL HOLSTEIN SALE

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Always on the job—for RESULTS.

In the box or in the ring.

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AUCTIONEER

Holstein cattle a specialty

Satisfied customers my best advertising.

Please write for dates.

COL. GEORGE W. BAXTER

Troy, Bradford Co., Pa.

Alfalfa Hay

FOR A. R. O. TESTS

PIONEER FARMS

E. K. MUNRO Camillus, N. Y.

EMPLOY

AUCTIONEER KRAUS

The Live Wire Holstein Auctioneer

Up-To-Date On Pedigrees

Best Reference, Terms Reasonable

Write or wire for dates

COL. W. H. KRAUSE

THORPE, WIS.

For more Milk and Butter use

SCHUMACHER FEED

THE QUAKER OATS CO.

Chicago, Illinois

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20 HOLSTEIN BULLS 20

Rich in the blood of Pontiac Korndyke, Colantha 4ths Johanna, De Kol 2d and Hengerveld De Kol the best of the breed.

One whose dam and grandam both have records of over 31 lbs., 7 days, one son of Pontiac Korndyke. Also a few cows, bred to a son of Pontiac Korndyke.

WM. N. OSBORN

Box 700 Wanatah, Ind.

WHERE ELSE CAN YOU BUY THIS KIND?

A FEW HEAD-LINERS IN THE DAIRYMEN'S SALE.

2 daughters of the $25,000 sire, RAG APPLE KORNDYKE 8TH, one from a 28.75-lb. 3-yr.-old daughter of Pontiac Korndyke, and one from a 27-lb. cow that has a 29-lb. 4-yr.-old daughter. Both eligible to the $12,000 in bonuses offered by Mr. Cabana.

A 22-lb. daughter of Sir Veeman Hengerveld.

2 daughters of Sir Korndyke Pontiac Artis.

A daughter of Homestead Girl De Kol Sarcastic Lad backed by splendid records in every line.

A daughter of De Kol Hengerveld Burke.

A 20-lb. daughter of Korndyke Queen De Kol's Prince.

A daughter of King Segis Pontiac out of a daughter of King of the Pontiacs—a 3-4 sister to the $50,000 bull.

A 25-lb. 3-yr.-old daughter of Sadie Vale Sir Ormsby (full brother to a 41-lb. cow), due sale day as a senior 4-yr.-old by King Korndyke Sadie Vale.

A daughter of King Colantha Clothilde, from a 25-lb. dam.

A daughter of the 32.9-lb. sire, Beauty Pietertje Butter King Jr.

2 daughters of Hengerveld Butter Boy De Kol, one of the best sons of Hengerveld De Kol.

2 daughters of the 35-lb. bull, Fairmont Spofford Pietje.

A 23-lb. daughter of the great 31-lb. cow, Roxie Pauline De Kol Posch.

These are but a few of the good ones which will make

THE DAIRYMEN'S SALE

Exposition Park, Rochester, N. Y., Dec. 17

THE BEST IN THE SERIES

THE BULL QUESTION is always a hard one to solve, because so much depends upon the selection of the right animal.

LET THE DAIRYMEN'S SALE SOLVE THIS QUESTION

Here is one good enough for any herd. He is a son of Sir Veeman Hengerveld (8 30-lb. daughters—more coming, and a higher average for all his daughters than any other sire of 60 or more A. R. O. cows.) His dam, a 26-lb. junior 2-yr.-old, made her record in hot weather, and is a splendid candidate for continued honors as she matures. She is a daughter of the 41-lb. sire, King Korndyke Sadie Vale, out of a 30-lb. 2-yr.-old (now in test with 24 lb. at 3½ years,) daughter of Sir Korndyke Pontiac Artis—3d dam a 30-lb. 4-yr.-old daughter of Sir Veeman Hengerveld, 4th dam a 25-lb. cow with two 30-lb. daughters, and three averaging over 30 lb.; 5th dam a 22.9-lb. cow with 5 A. R. O. daughters, one 30 lb. Can you beat it?

There will be other splendid young bulls including the first prize winner at the New York State Fair 1915, sons of Hengerveld Butter Boy De Kol, King Lyons 3d, Sir Korndyke Pontiac Artis, and other famous sires and from high record dams.

Tuberculin tested——unblemished——high class Individuality and breeding.

Send today for your catalog, or any other information concerning the sale. Be sure to mention the *WORLD*.

Hastings & Prescott, Sale Managers

Lacona, New York

FOR SALE

Six heifer calves, granddaughters of King of the Pontiacs for $1,000.00.

WALTER M. BUCK, Warsaw, N. Y.

KING SEGIS PATENT LOCK

Ear Tags, Bull Staff and Rings

Description and prices sent on application. 300,000 of these ear tags have been sold without adverse criticism. 500 of these Bull Staffs are used by the best breeders in the business.

H. A. MOYER, Syracuse, N. Y.

HEIFER CALVES $100 AND UPWARDS

Sired by a $2000 32.42-lb. son of Colantha Johanna Lad—The World's greatest bull.

Dam of calves, Johanna Rue 3d Lad and Sadie Vale Concordia 4th—41.06 lb. breeding. Bull calves, $25 and upwards. Express prepaid. Herd tuberculin tested. Satisfaction guaranteed.

C. D. Fortnam
Tyler Hill, Pa.

FOR SALE

FOUNDATION STOCK

A few well bred cows with A. R. O. records up to and including 26 lb. butter; bred to some of the best bulls of the breed.

Write for prices and pedigrees.

Lawson Holding Co., Inc.

LaGrangeville

Dutchess County N. Y.

KEYSTONE FARMS

Cows all sold. I now offer bull ready for service out of a 20-lb. daughter of a 23-lb. cow sired by Prince Segis Korndyke Jr., son of Beauty Rauwerd De Kol with A. R. O. record of 30.54 lb. butter and 719 lb. milk in 7 days and 109.6 lb. milk one day. Bull nicely marked and good enough to head any herd.

C. A. PRATT
Le Raysville Pa.

TWIN BROOKS HERD

OFFERS

TWIN BROOK VEEMAN KING

No. 144469 born August 28, 1914, more black than white. Sire—King Korndyke Reba Veeman, No. 116541, whose three nearest dams average 35.27 lbs. of butter in 7 days. Dam—Twin Brook Segis De Kol No. 138919, one of the good A. R. O. daughters of King Segis, Jr., No. 45001.

W. B. Devaney Berwin, Pa.

The World's Champion Dairy Cow

has a grandson--and a good one too--that we will sell.

Judge for yourself after you read this:

His Sire is Finderne Johanna Rue Pontiac, No. 115432, a son of the World's Champion Dairy cow, Finderne Pride Johanna Rue. A worthy son of the great cow is he. He was sired by Gordon Glen Pontiac, sire of the World's Champion Junior 2-year-old and the only sire that ever lived having three Junior two-year-olds above 25 lbs. Gordon Glen Pontiac was from one of the best daughters of Hengerveld De Kol.

His Dam is A daughter of Prince Hengerveld Fayne, No. 77461. He traces back on this side also to Hengerveld De Kol. Owing to extremely hot weather when she freshened, she was not tested but will be given a record later.

The calf is dark in color, growthy and straight as a string. He was born September 20th, 1915. This calf will sell far below his value, breeding considered, to consumate a quick sale. Write us.

WILLIS E. STRYKER

Ridgedale Farm **BELLE MEAD, N. J.**

SIR KORNDYKE GLEN 124834

Born December 29, 1913

Show Ring Type. **World's Record Production**

DAM: GLEN CANARY ORMSBY MERCEDES. Butter at 24 months, 20.176 lb. Her dam: GLEN CANARY DE KOL, A. R. O. 34.59 lb. at 3 years (World's Record). Her sire: SIR PIETERTJE ORMSBY MERCEDES, 38 A. R. O. daughters. The great son of Pietertje Maid Ormsby, 35.56 lb. and former World's Champion.

SIRE: SIR KORNDYKE HENGERVELD DE KOL 36TH. First at the National Dairy Show 1913. His sire is by a son of Hengerveld De Kol and from a 26 lb. four-year-old daughter of Pontiac Korndyke. His dam is a daughter of Sir Ormsby Hengerveld De Kol, 64 A. R. O. daughters.

PRICE: $600.00. Write for pedigree and particulars.

E. C. Schroeder **Moorehead, Minn.**

SPRING FARM HERD

Consigns 10 head to the Liverpool Sale & Pedigree Co's. Sale at Syracuse, N. Y., Nov. 15 and 16. 9 females and 1 male.

No. 1—A son of the $15,000 bull ready for service, from Orpha Pontiac (31.49 lb.)

No. 2—A yearling daughter of Spring Farm King Pontiac from a 17-lb. 3-yr.-old daughter of a 27-lb. dam, safe in calf to Spring Farm King, the full brother of the 44-lb. cow.

No. 3—A daughter of King Korndyke Pontiac Lass from a 28-lb. 3-yr.-old daughter of a 30-lb. dam.

No. 4—A daughter of King Korndyke Pontiac Lass from a 15-lb. 2-yr.-old daughter of a 30-lb. cow.

No. 5—A daughter of King Korndyke Pontiac Lass from a 16-lb. 2-yr.-old daughter of Duchess Ormsby Butter King, safe in calf to Spring Farm King.

No. 6—A 14-lb. 2-yr.-old, her dam a 31.49-lb. cow, safe in calf to King Korndyke Pontiac Lass.

No. 7, 8 and 9—With records of from 15 to 19.50 lb. as 2-yr.-olds and from good record dams, daughters of Sir Pietertje Lyons Hengerveld, all three safe in calf to the $15,000 bull.

Every animal is perfect in every respect and we consider it the best consignment that ever left Spring Farm.

Francis M. Jones

Oneida Co. CLINTON, N. Y.

WHAT ABOUT IT

Are you still hesitating about placing a high class bull at the head of your herd? Every day that you wait you are losing money. Losing money in the grade of calves that you are getting. Losing money in not being able to advertise your herd to the best advantage.

LINE UP WITH THE PROCESSION

Look around you. Note the successful Breeders that have sons or grandsons of KING OF THE PONTIACS as their herd sires. Just now you can buy one of his sons or grandsons for less money than for sometime past or ever again. Get busy! Send for our new "BOOK OF BULLS" with over 70 pedigrees in it. Pick out the bull you want and write us.

STEVENS BROTHERS COMPANY

LIVERPOOL, N. Y.

HEART'S DELIGHT FARM

Offers to Exchange

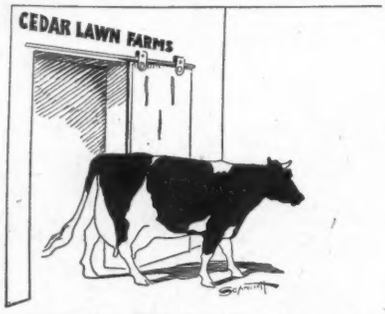
SIR WALKER PONTIAC

A Son of the King of the Pontiacs — Born June, 1911

For either pure bred or good grade heifers

Heart's Delight Farm

CHAZY, NEW YORK



Johanna De Kol Van Beers.

CEDAR LAWN FARMS

Ten years ago, Johanna De Kol Van Beers left Cedar Lawn Farm, likewise Sir Johanna De Kol 39th, previously advertised, has gone to make good. We now offer a serviceable son of Cedar Lawn Champion out of a 24.34-lb. three-year-old, who is 75 per cent the same blood as Cedar Lawn De Kol Johanna 2d, A. R. O. 30.67 lbs. butter in 7 days at 4½ years. Several other serviceable bulls at very reasonable prices, also a few females bred to Cedar Lawn Champion.

C. A. SCHROEDER & SONS, WEST BEND, WIS.

C. A. SCHROEDER — W. C. SCHROEDER — H. F. SCHROEDER

SADIE VALE IR ORMSBY
No. 57600.

The youngest son of Sadie Vale Concordia, the first 30-lb. cow. Sired by Duchess Ormsby Piebe Burke.

He is the only sire of the breed having a 41-lb. FULL sister who has a 38-lb. daughter.

AND

KING KORNDYKE SADIE VALE 9TH, No. 134638.

Dam: Florence Veeman Wayne, a 31.153-lb. daughter of Sir Veeman Hengerveld.

Sire: King Korndyke Sadie Vale, whose first 4 daughters to be tested average at 2 yr. old nearly 25 lb. of butter in 7 days.

STOCK OF THIS BREEDING FOR SALE

Write for pedigrees of SENIOR and JUNIOR sires.

MAPLE GROVE STOCK FARM

JAMES W. FEAR - - - - - - HOLLAND PATENT, N. Y.

The Balsams Stock Farm

DUTCHLAND CREAMELLE PONTIAC LAD

The junior herd sire at the Balsams Stock Farm. His calves will soon be coming along. Note the combination of blood lines that this young bull carries.

His sire is Dutchland Creamelle Korndyke Lad.

His dam is Pontiac Ascalon with 22,827.50 lb. of milk and 1015 lb. of butter; his sire's dam, Dutchland Colantha Vale, with a junior two-year record of 22,750 lb of milk and 858 lb. of butter and the sire's granddam, Creamelle Vale, with 29,591 lb. of milk and 1155 lb. of butter, average, 1,009.64 lb. of butter and 25,056.3 lb. of milk.

He has a double cross of Pontiac and Korndyke and traces to Colantha Johanna Lad. His sons will be fit to head any herd. Get in line for one of them.

HENRY S. HALE, Owner, — P. A. CAMPBELL, Mgr., — DIXVILLE NOTCH, N. H.

MAPLEMONT FARM

A Real Herd Bull.

A son of the $50,000 Bull.

A son of Wachusett Catrina.

A son of the only cow to average over 600 lbs. milk in six tests.

Price $3000.00. Guaranteed right.

Write for pedigrees and photo.

J. W. PRENTISS & SON, ALSTEAD, N. H.

WHO WANTS HIM?

A young bull nearly a year old, a little more black than white, and he has real individuality. Just as straight and square as they make them, good head and legs with a skin like silk. Look at this breeding too.

Sire—A son of King of the Pontiacs from a 29.70 lb. cow. Her dam 21 lbs., practically a 30 lb. son of the only King and you know what that means.

Dam—A 24 lb. three year old, first calf heifer with better than a 70 lb. milk average. Her sire is Pietertje Hengerveld Segis, the 33 lb. son of King Segis, and her dam has produced a 32 lb. cow and this 24 lb. heifer. The price is $150., and we know it's low, but there are more coming and we need the room. Write now.

H. C. SWARTOUT, Terracelawn Farms,

HARTWICK SEMINARY, Otsego Co., N. Y.

WAUSEONA HERD

Headed by

SIR KORNDYKE QUEEN NO. 55993.

Herd numbers 100 head.

Good stock of both sex for sale.

COME AND SEE US.

BURR BROTHERS, WAUSEON, OHIO

Son of 29.09-lb. Four-year-old for sale

Sired by a bull whose two nearest dams average nearly 30 lbs. The sire is one of the greatest show bulls of the breed, and is a double grandson of Aaggie Cornucopia Johanna Lad Jr.

We have another son of this bull, from a 28.56-lb. cow. Both calves are beautiful individuals—nearly ready for service.

The prices are right.

For complete information address

D. W. WRIGHT, Route 1, CAMBRIDGE, N. Y.

LACONA BREEDERS

Henry Stevens & Son—Ad. on back cover page.

SPRING FARM KING PONTIAC 13TH.

Heads our herd. He was by the best son of King of the Pontiacs, and from one of the best daughters of the best son of Hengerveld De Kol. He has better than a 31-lb. average for his two nearest dams.

We have two daughters of the $15,000 bull, and several cows in calf to him. Also some bred to Spring Farm King Pontiac 6th, and our herd sire. 30 head to select from.

COLVIN & DESHANE

Richland New York

A GOOD PONTIAC BULL.

Nearly ready for service. Dam has just completed record of 22.64 lb. butter, averaging 3.78 per cent fat. Her dam has 25.39 lb. (over 4 per cent fat), and a good semi-official year's record. Dam is likewise wonderfully persistent, and has a 34-lb. sister. Dam's granddam, former World's Record 2-yr.-old. Sire, by King Pontiac Artis (31-lb. son of King of the Pontiacs) and from a granddaughter of Prilly. A splendid individual, a little more white than black.

Write for pedigree and low price.

H. A. PRESCOTT

Bellevue Herd Lacona, N. Y.

LACONA HERD

Headed by Sir Pontiac Artis Veeman, No. 75089 who was by the 31-lb. sire, Sir Korndyke Pontiac Artis and from Florence Veeman Wayne, a 31-lb. daughter of Sir Veeman Hengerveld (7 30-lb. daughters)—a combination of proven worth.

40 head to choose from. Young cows and heifers in calf to Sir Pontiac Artis Veeman.

B. E. MEAD, Est.

Lacona New York

2 Splendid Yearling Heifers For Sale

Both sired by Count La Polka Alban, whose two nearest dams average 27.68 lb. butter; 661 lb. milk in 7 days. Both are safe in calf to Spring Farm King Pontiac 5th, whose two nearest dams average over 36 lbs.

Bargains at my price. Don't wait but get the details.

LEON MORE

Lacona, N. Y.

HOMESTEAD FARM

Offers for sale a 5-yr.-old cow just fresh and bred again to Albina Butter Boy who has just had a 4-yr.-old daughter make over 33 lb. butter. Udder not perfect but milking from all four quarter. Price $100.

Also bull calf six weeks old. sired by Albina Butter Boy. Dam untested. Price $25.

D. J. HOLLLIS

Lacona N. Y.

A SON OF PONTIAC KORNDYKE

By a granddaughter of Hengerveld De Kol. Age 28 months.

This bull would be leased for 4 or 6 months to a satisfactory breeder owning a good-sized herd and who would raise the young stock and test for A. R. O. records. He is very large and sires fine, large calves, more heifers than bulls. He is about evenly marked.

A few FEMALES from two to four years old bred to him for sale. Address:

A. H. PHILLIPS, THREE TUNS, PA.

FAYETTE DAIRY OFFERS SOME GOOD BULLS.

Two ready for service sired by King Hengerveld Segis whose dam is a 30-lb. daughter of King Segis and whose sire is a son of Hengerveld De Kol. The dams of these bulls are great dairy cows having good A. R. O. records.

Also a number of Korndyke bred bulls ranging in age from two months to one year. These bulls are good individuals.

D. H. Yaukey, Fayetteville, Pa.

KING SEGIS PONTIAC ALCARTRA 79602

Yes, Sir, he is the sire of 3—$10,000 bull calves, going some to be sure, but, have you seen King, if not just arrange for a day or two off and attend the Holstein Sale at Madison Square Garden, New York City, Dec. 15 and 16.

King will be there to show for himself but not for sale, one of his Baby Boys will be there for sale and a good one too, he is sure to make someone happy.

Don't you think that you or your heard needs a stimulant? Don't you know that you will be doing something great for your neighbor breeders by placing a good bull at the head of your herd and letting them pay for him in service fees? Don't you know a good bull will make a proud and successful Holstein breeder out of you and your son?

Of course you know a son of King Segis Pontiac Alcartra will do it all, these youngsters have made others proud and happy why not you?

See what Mr. Mead has to say about his $5,000 boy:

Mr. John Arfmann,
Middletown, N. Y.

Dear Sir:

King arrived here safely and in good condition. He is really a better bull than I thought he was when I bonght him, and the more I see of him the better I like him. It seems about impossible to satisfy his appetite, and that is one of the things that suits me to a T, since he came, he has filled up and today has as fine a barrel as any one could ask for, he has had quite a good many callers since he landed here and every one that has looked him over pronounce him the best calf they ever saw, and as near perfect as one could be moulded to order.

Believe me I am proud to show him and have to make no apologies for the gentleman he is always on dress parade.

Had a request for his picture from the Holstein Register, and they advised me that they had also written you for one. Wish you would advise me just how you have been feeding him and how much, as I want to keep him growing just as you have, for showing him to visitors will be the best kind of an advertisement for you and myself.

Wishing you success with his sisters and his sire I am

Respectfully yours,
ROBERT F. MEAD.

YOUR TURN NEXT

Buy the best and breed them better, get a King and you come later. We have just a few more boys that will make you sit up and take notice but only a few, so don't delay, write today to
JOHN, at FAIRMONT FARM, MIDDLETOWN, NEW YORK.

HOW TO KEEP YOUR NAME OFF A TOMBSTONE

Worry kills a good many people. Avoid that worry if you wish to breed better Holsteins than your neighbor, and head your herd with a son of **Beach Segis Pontiac.** Only two of this seasons crop left.

If you wish a son of this great Bull, write us at once and learn how you can get one without investing a dollar.

If you do not know the greatness of this bull, let us send you his Pedigree, and our special proposition.

BEACH & WIRT, BATTLE CREEK, MICHIGAN.

SPRINGVALE STOCK FARM.--Home of the Johannas

We have one son of King Pieter Lyons whose six nearest dams average 32 lbs. of butter in seven days and out of a 16.88 lbs. two-year-old daughter of Sir Johanna De Kol.

And two sons of Sir Pietertje Ormsby Mercedes 38th, whose dam has a three-year-old record of 34.75 lbs. of butter in seven days and 139.09 lbs. of butter in thirty days, one out of a 14 lb. two-year-old daughter of King Pieter Lyons and one out of an 18.75 lbs.two-year-old daughter of Colantha Johanna Champion.

For sale, cheap, write for pedigrees and prices.

W. J. Gillette & Son, Rosendale, Wis.

EMBLAGAARD HERD

SIRES IN SERVICE

COLANTHA JOHANNA CHAMPION 45674

THE PROVEN SON OF COLANTHA 4TH'S JOHANNA

EMBLAGAARD PRINCE 80596

A son of Segis Walker Pietertje, 27.85 lbs. at 3½ yrs. His sire's dam, Abby Hartog Clothilde, 31.99 lbs., and dam's dam, Ruby Walker Pietertje, 30.21 lbs. are two of the only 4 30-lb. cows of the breed that have produced 30 lb. daughters, that have also produced 30 lb. daughters.

EMBLAGAARD DAIRY, BIG BAY, MICHIGAN

WOODLAKE AND CLOVER FARMS

Will You Consider

KING KORNDYKE COLANTHA ORMSBY.

HEADING YOUR HERD with a straight, long well-bodied, handsomely marked, young bull of splendid type and finish?

A son of KING KORNDYKE COLANTHA ORMSBY 96546 who combines in closest relation the World's Record cows, Pietertje Maid Ormsby, Colantha 4th's Johanna, Grace Fayne 2d's Homestead, Pontiac Pet and Pontiac Clothilde De Kol 2d, the blood of the highest priced bulls on record.

OR a son of SIR KORNDYKE HENGERVELD DE KOL 41266 that would give you type and production of the Hengerveld De Kol, Pontiac Korndyke and Sir Ormsby Hengerveld De Kol combination.

OR a son of MAPLECREST BUTTER BOY DE KOL 94156, who is seventy-five per cent. brother of Banostine Belle De Kol, the greatest dairy producer to date.

Sons of these bulls, fine, strong individuals, from two to sixteen months old, out of Advanced Registry cows of richest breeding, some with records of thirty to thirty-five pounds of butter in 7 days, and of most popular breeding, will give any herd a standing for production, constitution and high individual merit. *Come* and *see them.* Our prices are reasonable.

Two and one-half miles from the Minneapolis City limits, on Lyndale Ave. South of Irwin Station on the Dan Patch line.

John B. Irwin

Station F. Minneapolis, Minn.

COOLEY FARMS

Owned by the City of Cleveland

Remember these facts—

Every milking female in our herd is on semi-official yearly test.

We have already broken one World's Record for milk in this division. 6 cows that have finished their records (including a junior 2-yr.-old and a 10-yr.-old) average 24,500, lbs. milk, 932.10 lb. butter.

Our herd sires combine the greatest "long distance backing" of the breed, being sons of Friend Hengerveld De Kol Butter Boy and Pontiac Aaggie Korndyke, who together have as many daughters with records above 1200 lbs. butter in a year as any five other sires.

The Profitable Producer is the Yearly Producer. Do you want to breed this kind?

We are offering a number of splendid bargains in bulls of the right sort. Write us your requirements, and see how far your "bull appropriation" will go.

Address:

COOLEY FARMS

Jas. A. Reynolds, Supt.

WARRENSVILLE, OHIO

THE FIRST NEWARK SALE

75 HEAD

DECEMBER 7, 1915

NEWARK, - OHIO

OHIO has long been known as the home of great dairy cattle. Many of the best dairy cattle in the union trace their origin to Ohio. A notable example is the famous Lyons family. When some of this family was sold for a mere pittance and taken out of the state to be developed, little was it known that they would later make records which would astound the dairy world.

OHIO is full of great dairy cattle that have never been tested. This sale will include many such cattle. There will be several A. R. O. cows. None of them have made records that in any way measure their capacity.

Many in the sale are bred along the most fashionable lines of the present.

A NEW SALE IN A NEW PLACE

Eight daughters and a son of Paul Korndyke De Kol Ormsby are a splendid feature of this sale. He is a three-fourths brother to the $7,500 bull, King Korndyke Hengerveld Ormsby. Paul Korndyke De Kol Ormsby is by Sir Korndyke Hengerveld De Kol, a bull that unites in the closest possible manner the blood of the two great Pontiac sires, Hengerveld De Kol and Pontiac Korndyke. His dam is the 33-lb. cow, Gracie De Kol Ormsby, a daughter of Sir Ormsby Hengerveld De Kol, a sister to the former World's Champion, Pietertje Maid Ormsby (35 lb.), and a sister to the sire of the present World's champion yearly butter producer, Dutchess Skylark Ormsby (1506.36 lb. in 1 year.)

The son of this great bull is from a 23-lb. three-year-old sister to the 33-lb. cow, De Kol Plum Copia. The heifers are from daughters or granddaughters of such well known sires as Sir Fayne Concordia, Prince Nudine De Kol, Aaggie Cornucopia 3d's Lilith, King Segis, etc.

There are a pair of seven eighths sisters sired by Artie Korndyke De Kol, who is from the 25-lb. cow, Kol Artie, and sired by Karel Korndyke, the last son of the great Belle Korndyke.

A two-year-old daughter of Sir Fayne Concordia from a 18-lb. three-year-old granddaughter of Butter Boy Pietertje is another nice one. Sir Fayne Concordia is a full brother to the former champion, Grace Fayne 2d's Homestead (35.55 lb.), being by Homestead Junior De Kol from Grace Fayne 2d.

Granddaughters of King Pontiac Champion.

A daughter and a granddaughter of Admiral Prilly Walker, who is by Admiral Walker Pietertje from one of the best daughters of Prilly.

A granddaughter of King Segis Pontiac Polkadot who is a full brother in blood to the $50,000 bull, King Segis Pontiac Alcartra.

A son of Count Cornucopia Korndyke from a 30-lb. daughter of Junior De Kol. The records of the dam and four nearest dams of the sire average better than 30 lb. butter in a week.

19.2-lb. three-year-old daughter of King Pontiac of Brookside, he by King of the Pontiacs from the 29.5-lb. cow, Aaggie Topsy De Kol.

Granddaughters of Paul Clyde, Katy Spofford Corona's Son, Colantha Johanna Lad, De Kol 2d's Butter Boy 3d, Flint Prince and other great sires will also prove very attractive.

Another nice bunch will be some daughters and granddaughters of King of the Pontiacs.

Some of the best blood lines are represented. Several are from A. R. O. dams. Several more are recently fresh or due inside of two months.

There will be some mighty nice heifers bred or still open and just ready to take home and breed to your own bull.

All over 6 months of age will be tuberculin tested by state approved veterinarians.

Plan now to attend.

The sale will commence at 10:00 a. m. Dec. 7th and will be held at the sale barn of the late G. W. Crawford.

If you want to buy a bunch of money makers do not miss this sale.

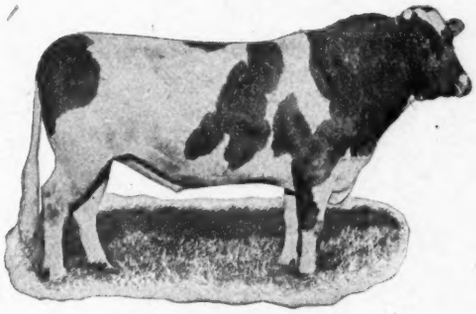
LIVERPOOL SALE & PEDIGREE CO., INC., Sale Mgrs.,

LIVERPOOL, NEW YORK

Which Do You Prefer? 30-lb. Or Yearly Record Backing?

YOU GET IT ALL IN

Beaver-Dam Paula Segis No. 160232



SIR PRILLY SEGIS

Sire—Sir Prilly Segis—our senior herd sire—one of the very best sons of King Segis, being out of Prilly Princess Julia De Kol, a 30-lb. daughter of Prilly Princess (25.13 lbs.), who in turn was out of Prilly (25.2 lbs.) His daughters are living up to their breeding.

Dam—Maple Knoll Paula 3d 123179

7-day record—	Butter, 5 yrs.	30.09
	Milk	594.80
	Aver. per cent fat.	4.05
30-day record—	Butter	113.00
	Milk	2313.50
At 4 yr., 3 mo.—	Butter, 1 year....	930.58
	Milk	21325.60
(First Prize 1914-15)		
8 mos. after calving—		
	Butter	16.44
	Milk	421.40

(2nd Prize 1913-14; 2nd highest milk record in her class that year.)
Fresh record at this age—20.17 lbs. butter, 538.9 lbs. milk.

A beautiful cow, still in her prime, and perfect in every way. She is a daughter of Sir Armyn De Kol Posch, who was by Alta Posch's Son, from Maple Bluff Paula, a daughter of Senior De Kol, who was a brother to Creamelle Vale (29,591.4 lbs. in a year) and a grandson of Sadie Vale Concordia.

This bull is nicely grown, straight, three-quarter black and a good individual, as would be expected from his pedigree.

If you want a *good* bull at a reasonable price, send at once for his pedigree, photograph and price.

BEAVER-DAM STOCK FARM

JULIUS SCHMID, Prop. Montgomery, Orange Co., N. Y.

SIR PRILLY WALKER

One of the Great Sires

His list of 29 A. R. O. daughters includes:—

Meadowbrook Prilly Snowflake	30.16
Milk	621.90
Meadowbrook Prilly Daisy 3½ yr.	30.13
Meadowbrook Prilly Genevieve 4 yr.	28.93
Meadowbrook Prilly Josie	25.81
Meadowbrook Prilly Netherland 4 yr.	25.14

10 others above 20 lb.

His sire—Judge Hengerveld De Kol (one 30-lb. daughter—one World's Record daughter in yearly division) is the best son of Hengerveld De Kol, and from one of the best daughters of Johanna Rue 3d's Lad.

His dam—Plum Prilly Walker, is the best daughter of Prilly (age considered), and she is the greatest transmitting cow of the breed through her daughters.

WE BELIEVE IT TO BE A FACT

That Sir Prilly Walker, and the first three generations back of him have produced more 30-lb. cows than any other similar combination. Individually he is splendid, and those who are familiar with his offspring will agree that they also are extraordinary in this respect.

Would a little of this breeding look good in your herd? We have young bulls from some of his best daughters by Lewis Prilly Rouble Hartog 2d, who closely combines three of the families of 3 direct generations of 30-lb. cows, his dam being the only 30-lb. 4-yr.-old with a 31-lb. dam and a 30-lb. 3-yr.-old daughter. You will find our prices very reasonable. Write your wants.

MEADOWBROOK FARMS,

John C. Sharpe, ... Blairstown, N. J.

Individuality

We have been spending hundreds of dollars to make you familiar with the wonderful ancestry of Spring Farm King Pontiac 6th. And no matter whither your preferences and prejudices lead you, you do admit to yourself that in respect to extreem producing blood, he stands supreme.

We have pointed out again and again the unequaled transmitting forces of his ancestors. And we believe that you are willing to agree with us that as far as inherited transmitting ability is concerned, his pedigree leaves nothing to be desired.

Our $1,000 futurity offer for the development and testing of his daughters not owned by us, born during the year 1915 and also repeated for the year 1916 insures their opportunity.

Or in short you know, that judged by producing and transmitting ancestory, Spring Farm King Pontiac 6th has it in him, and we are doing our best to give him an opportunity to show it.

But there is one more point, *individuality*. We havn't said much about this, although we all know that no matter what a bulls pedigree may be, if he is inferior individually, he does not deserve consideration from good breeders.

Spring Farm King Pontiac 6th is a superb individual. We would enjoy and have considered having him on exhibition at all the great shows next fall. But of course there would be more or less risk attended on moving him about, and he represents so much value that we have about concluded that it would be a foolish policy to take him from home.

Frankly we don't believe there is a bull in America that should beat him in the show ring.

Deep and full in the chest, perfection over the shoulders and through to the crop, a strong open chine, broad and level over the loin and hips, straight on the romp and broad through the thurl, a deep well rounded barrel, a long tapering tail, well set rudimentarys, a very pronounced milk vein, developed with two openings on each side, a long well set neck, his head is not quite so bullish as we are accustomed to in our Korndykes but is trim and attractive, a bright eye, medium horn, hair and hide as near right as is often found, full of vigor, lots of style, in fact a show bull from start to finish. *And his calves and yearlings are built the same way.*

In your next herd bull, demand on top of ancestry, *individuality*.

Henry Stevens & Son

BROOKSIDE STOCK FARM

Lacona, N. Y.

175 Head **Est. 1876**